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# Pomona College

## Annual Catalog

1923-1924

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UNIVERSITY OF ILLINOIS

Claremont • California

# POMONA COLLEGE BULLETIN

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Thirty-sixth Year

# Pomona College

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TEACHERS FOR THE YEAR  
1923 - 1924, REQUIREMENTS  
FOR ADMISSION, DESCRIPTION  
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INFORMATION

*November, 1923*

CLAREMONT, CALIFORNIA  
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|-----------|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|---|---|
| JULY      |     |     |     |     |     |     | JANUARY  |     |     |     |     |     |     | JULY      |     |     |     |     |     |     | JANUARY  |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| 1         | 2   | 3   | 4   | 5   | 6   | 7   | ...      | 1   | 2   | 3   | 4   | 5   | ... | 1         | 2   | 3   | 4   | 5   | ... | ... | ...      | 1   | 2   | 3   | 4   | 5   | 6   | 7 |   |
| 8         | 9   | 10  | 11  | 12  | 13  | 14  | 6        | 7   | 8   | 9   | 10  | 11  | 12  | 6         | 7   | 8   | 9   | 10  | 11  | 12  | 4        | 5   | 6   | 7   | 8   | 9   | 10  |   |   |
| 15        | 16  | 17  | 18  | 19  | 20  | 21  | 13       | 14  | 15  | 16  | 17  | 18  | 19  | 13        | 14  | 15  | 16  | 17  | 18  | 19  | 11       | 12  | 13  | 14  | 15  | 16  | 17  |   |   |
| 22        | 23  | 24  | 25  | 26  | 27  | 28  | 20       | 21  | 22  | 23  | 24  | 25  | 26  | 20        | 21  | 22  | 23  | 24  | 25  | 26  | 18       | 19  | 20  | 21  | 22  | 23  | 24  |   |   |
| 29        | 30  | 31  | ... | ... | ... | ... | 27       | 28  | 29  | 30  | 31  | ... | ... | 27        | 28  | 29  | 30  | 31  | ... | ... | 25       | 26  | 27  | 28  | 29  | 30  | 31  |   |   |
| AUGUST    |     |     |     |     |     |     | FEBRUARY |     |     |     |     |     |     | AUGUST    |     |     |     |     |     |     | FEBRUARY |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| ...       | ... | ... | 1   | 2   | 3   | 4   | ...      | ... | ... | ... | 1   | 2   | ... | ...       | ... | ... | 1   | 2   | ... | ... | ...      | 1   | 2   | 3   | 4   | 5   | 6   | 7 |   |
| 5         | 6   | 7   | 8   | 9   | 10  | 11  | 3        | 4   | 5   | 6   | 7   | 8   | 9   | 3         | 4   | 5   | 6   | 7   | 8   | 9   | 8        | 9   | 10  | 11  | 12  | 13  | 14  |   |   |
| 12        | 13  | 14  | 15  | 16  | 17  | 18  | 10       | 11  | 12  | 13  | 14  | 15  | 16  | 10        | 11  | 12  | 13  | 14  | 15  | 16  | 15       | 16  | 17  | 18  | 19  | 20  | 21  |   |   |
| 19        | 20  | 21  | 22  | 23  | 24  | 25  | 17       | 18  | 19  | 20  | 21  | 22  | 23  | 17        | 18  | 19  | 20  | 21  | 22  | 23  | 22       | 23  | 24  | 25  | 26  | 27  | 28  |   |   |
| 26        | 27  | 28  | 29  | 30  | 31  | ... | 24       | 25  | 26  | 27  | 28  | 29  | ... | 24        | 25  | 26  | 27  | 28  | 29  | 30  | ...      | ... | ... | ... | ... | ... | ... |   |   |
| ...       | ... | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... | 31        | ... | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... |   |   |
| SEPTEMBER |     |     |     |     |     |     | MARCH    |     |     |     |     |     |     | SEPTEMBER |     |     |     |     |     |     | MARCH    |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| ...       | ... | ... | ... | ... | ... | 1   | ...      | ... | ... | ... | ... | 1   | ... | ...       | 1   | 2   | 3   | 4   | 5   | 6   | 1        | 2   | 3   | 4   | 5   | 6   | 7   |   |   |
| 2         | 3   | 4   | 5   | 6   | 7   | 8   | 2        | 3   | 4   | 5   | 6   | 7   | 8   | 7         | 8   | 9   | 10  | 11  | 12  | 13  | 8        | 9   | 10  | 11  | 12  | 13  | 14  |   |   |
| 9         | 10  | 11  | 12  | 13  | 14  | 15  | 9        | 10  | 11  | 12  | 13  | 14  | 15  | 14        | 15  | 16  | 17  | 18  | 19  | 20  | 15       | 16  | 17  | 18  | 19  | 20  | 21  |   |   |
| 16        | 17  | 18  | 19  | 20  | 21  | 22  | 16       | 17  | 18  | 19  | 20  | 21  | 22  | 21        | 22  | 23  | 24  | 25  | 26  | 27  | 22       | 23  | 24  | 25  | 26  | 27  | 28  |   |   |
| 23        | 24  | 25  | 26  | 27  | 28  | 29  | 23       | 24  | 25  | 26  | 27  | 28  | 29  | 28        | 29  | 30  | ... | ... | ... | ... | 29       | 30  | 31  | ... | ... | ... | ... |   |   |
| 30        | ... | ... | ... | ... | ... | ... | 30       | 31  | ... | ... | ... | ... | ... | ...       | ... | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... |   |   |
| OCTOBER   |     |     |     |     |     |     | APRIL    |     |     |     |     |     |     | OCTOBER   |     |     |     |     |     |     | APRIL    |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| ...       | ... | ... | 1   | 2   | 3   | 4   | ...      | ... | ... | ... | 1   | 2   | 3   | 4         | ... | ... | ... | ... | 1   | 2   | 3        | ... | ... | ... | ... | 1   | 2   | 3 | 4 |
| 7         | 8   | 9   | 10  | 11  | 12  | 13  | 6        | 7   | 8   | 9   | 10  | 11  | 12  | 5         | 6   | 7   | 8   | 9   | 10  | 11  | 5        | 6   | 7   | 8   | 9   | 10  | 11  |   |   |
| 14        | 15  | 16  | 17  | 18  | 19  | 20  | 13       | 14  | 15  | 16  | 17  | 18  | 19  | 12        | 13  | 14  | 15  | 16  | 17  | 18  | 12       | 13  | 14  | 15  | 16  | 17  | 18  |   |   |
| 21        | 22  | 23  | 24  | 25  | 26  | 27  | 20       | 21  | 22  | 23  | 24  | 25  | 26  | 19        | 20  | 21  | 22  | 23  | 24  | 25  | 19       | 20  | 21  | 22  | 23  | 24  | 25  |   |   |
| 28        | 29  | 30  | 31  | ... | ... | ... | 27       | 28  | 29  | 30  | ... | ... | ... | 26        | 27  | 28  | 29  | 30  | 31  | ... | 26       | 27  | 28  | 29  | 30  | ... | ... |   |   |
| NOVEMBER  |     |     |     |     |     |     | MAY      |     |     |     |     |     |     | NOVEMBER  |     |     |     |     |     |     | MAY      |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| ...       | ... | ... | ... | 1   | 2   | 3   | ...      | ... | ... | ... | 1   | 2   | 3   | ...       | ... | ... | ... | 1   | ... | ... | ...      | ... | ... | ... | 1   | 2   | ... |   |   |
| 4         | 5   | 6   | 7   | 8   | 9   | 10  | 4        | 5   | 6   | 7   | 8   | 9   | 10  | 2         | 3   | 4   | 5   | 6   | 7   | 8   | 3        | 4   | 5   | 6   | 7   | 8   | 9   |   |   |
| 11        | 12  | 13  | 14  | 15  | 16  | 17  | 11       | 12  | 13  | 14  | 15  | 16  | 17  | 9         | 10  | 11  | 12  | 13  | 14  | 15  | 10       | 11  | 12  | 13  | 14  | 15  | 16  |   |   |
| 18        | 19  | 20  | 21  | 22  | 23  | 24  | 18       | 19  | 20  | 21  | 22  | 23  | 24  | 16        | 17  | 18  | 19  | 20  | 21  | 22  | 17       | 18  | 19  | 20  | 21  | 22  | 23  |   |   |
| 25        | 26  | 27  | 28  | 29  | 30  | ... | 25       | 26  | 27  | 28  | 29  | 30  | 31  | 23        | 24  | 25  | 26  | 27  | 28  | 29  | 24       | 25  | 26  | 27  | 28  | 29  | 30  |   |   |
| ...       | ... | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... | 30        | ... | ... | ... | ... | ... | ... | 31       | ... | ... | ... | ... | ... | ... |   |   |
| DECEMBER  |     |     |     |     |     |     | JUNE     |     |     |     |     |     |     | DECEMBER  |     |     |     |     |     |     | JUNE     |     |     |     |     |     |     |   |   |
| S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   | S         | M   | T   | W   | T   | F   | S   | S        | M   | T   | W   | T   | F   | S   |   |   |
| ...       | ... | ... | ... | ... | 1   | ... | 1        | 2   | 3   | 4   | 5   | 6   | 7   | ...       | 1   | 2   | 3   | 4   | 5   | 6   | ...      | 1   | 2   | 3   | 4   | 5   | 6   |   |   |
| 2         | 3   | 4   | 5   | 6   | 7   | 8   | 8        | 9   | 10  | 11  | 12  | 13  | 14  | 7         | 8   | 9   | 10  | 11  | 12  | 13  | 7        | 8   | 9   | 10  | 11  | 12  | 13  |   |   |
| 9         | 10  | 11  | 12  | 13  | 14  | 15  | 15       | 16  | 17  | 18  | 19  | 20  | 21  | 14        | 15  | 16  | 17  | 18  | 19  | 20  | 14       | 15  | 16  | 17  | 18  | 19  | 20  |   |   |
| 16        | 17  | 18  | 19  | 20  | 21  | 22  | 22       | 23  | 24  | 25  | 26  | 27  | 28  | 21        | 22  | 23  | 24  | 25  | 26  | 27  | 21       | 22  | 23  | 24  | 25  | 26  | 27  |   |   |
| 23        | 24  | 25  | 26  | 27  | 28  | 29  | 29       | 30  | ... | ... | ... | ... | ... | 28        | 29  | 30  | 31  | ... | ... | ... | 28       | 29  | 30  | ... | ... | ... | ... |   |   |
| 30        | 31  | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... | ...       | ... | ... | ... | ... | ... | ... | ...      | ... | ... | ... | ... | ... | ... |   |   |

## COLLEGE CALENDAR

1923

|           |                      |   |                                                                   |
|-----------|----------------------|---|-------------------------------------------------------------------|
| September | 17, <i>Monday</i>    | } | Registration Days. Monday and Tuesday, examinations for entrance. |
| September | 18, <i>Tuesday</i>   |   |                                                                   |
| September | 19, <i>Wednesday</i> |   |                                                                   |
| September | 19, <i>Wednesday</i> |   | Convocation, 10:30 a. m.                                          |
| October   | 14, <i>Sunday</i>    |   | Founders Day.                                                     |
| November  | 29, <i>Thursday</i>  |   | Thanksgiving Day                                                  |
| December  | 20, <i>Thursday</i>  |   | Christmas recess begins, 4:30 p.m.                                |

1924

|          |                     |   |                                                  |
|----------|---------------------|---|--------------------------------------------------|
| January  | 2, <i>Wednesday</i> |   | Christmas Recess ends, 7:30 a. m.                |
| January  | 21, <i>Monday</i>   | } | Kinney Freshman Contest in Declamation, 8 p. m.  |
| January  | 25, <i>Friday</i>   |   |                                                  |
|          | <i>to</i>           | } | Mid-year Examinations.                           |
| February | 2, <i>Saturday</i>  |   |                                                  |
| February | 2, <i>Saturday</i>  |   | First Semester ends.                             |
| February | 4, <i>Monday</i>    | } | Registration Day for underclassmen and specials. |
| February | 5, <i>Tuesday</i>   |   |                                                  |
| February | 22, <i>Friday</i>   |   | Washington's Birthday.                           |
| March    | 6, <i>Thursday</i>  |   | Matriculation Day.                               |
| April    | 4, <i>Friday</i>    |   | Spring Recess begins, 4:30 p. m.                 |
| April    | 15, <i>Tuesday</i>  |   | Spring Recess ends, 7:30 a. m.                   |
| May      | 30, <i>Friday</i>   |   | Memorial Day.                                    |
| June     | 4, <i>Wednesday</i> | } | Final Examinations.                              |
|          | <i>to</i>           |   |                                                  |
| June     | 12, <i>Thursday</i> |   |                                                  |
| June     | 16, <i>Monday</i>   |   | Commencement.                                    |

## SUMMER VACATION

|           |                      |   |                                               |
|-----------|----------------------|---|-----------------------------------------------|
| September | 15, <i>Monday</i>    | } | Registration Days. Examinations for entrance. |
| September | 16, <i>Tuesday</i>   |   |                                               |
| September | 17, <i>Wednesday</i> |   | Convocation 10:30 a. m.                       |



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## HISTORICAL SKETCH

THE history of the development of Southern California from a land sparsely inhabited and apparently fit only for a cattle range, into a genuine American commonwealth with its multitude of prosperous communities, covers hardly forty years; but this brief span of time has been a period of intense activity and remarkable growth. This epoch of swift progress was inaugurated by the completion of a second transcontinental railway, in this case piercing Southern California directly from the East, together with the sudden awakening to a realization of the great agricultural possibilities of the section through irrigation. A large immigration and a rapid increase in land values were at once induced. New towns sprang up almost in a day and great industrial projects characteristic of such a period were at once inaugurated.

While the commercial and speculative interests were conspicuously in evidence there were among the new settlers, nevertheless, many whose chief concern was for the higher values of life and character. Not least among these were those whose former affiliations had been with New England and its institutions. The Southern California District Association of Congregational Churches, meeting in San Bernardino in 1882, agitated the question of founding a college of the New England type. In 1886 the Association met at Lugonia (now Redlands), when the report of the educational committee was an earnest appeal for such a college. At this meeting a larger educational committee than usual was appointed and was instructed to view locations and invite proposals of aid toward establishing a "Christian College of the New England Type." In accordance with these instructions the committee visited various places from which they had received offers of aid and gave the matter serious and careful consideration.



In May, 1887, the District Association met in Los Angeles and became the General Association of Southern California. This General Association immediately gave full power to its committee of education, not only to select the College site, but to appoint trustees for the prospective institution. Fifteen trustees, two of whom are still members of the board, were duly appointed; the College was incorporated October 14, 1887, under the name of The Pomona College; and a site was selected about four miles north of the city of Pomona.

For the immediate needs of the College a small private house was rented in Pomona, and in it the work of instruction was begun in September, 1888. In the following January an unfinished hotel in Claremont (now Sumner Hall), together with considerable land adjacent, was given to the College and the work was transferred to that place. It was originally supposed that this location would be temporary; the name of the College was therefore retained in the expectation that ultimately the site originally selected would be used. Later this plan was abandoned and Claremont was made the permanent seat of the College. By this time, however, the name of "Pomona College" had become so definitely fixed that it has been retained notwithstanding the change of location.

The growth of the College has been swift and constant. The first class was graduated in 1894, at which time the total number of college students was forty-seven. For some time the work of the Preparatory School was of large importance, but later on this was discontinued owing to the increased growth and importance of the College. The maximum number which can now be received is 750. This situation allows the College to accept only two hundred and twenty-five Freshmen, one hundred and twenty-five men and one hundred women, and at the present time compels the rejection of a large number of applications. The original campus of about twelve acres has been enlarged by purchase and by gifts until it now comprises approximately one hundred and

fifty acres; and this area, together with its buildings, is being developed according to plans carefully worked out by competent landscape gardeners and architects, the whole growth being in accord with one harmonious plan. All this rapid progress of the institution has been made possible by a most generous company of friends who have responded nobly to the calls of higher Christian education and to the needs of young people. From the very beginning the institution has been the creation of sacrifice, affection and idealism. To a remarkable degree the College has been made possible by a great democracy of high-minded givers, and the character of these benefactors is reflected in the daily life and procedure of the College.

While the College was originally Congregational in organization, it long ago made itself the servant of a wider fellowship. The Board of Trustees is a self-perpetuating body, absolutely free from ecclesiastical control and representing different communions, but obliged, nevertheless, by the College Charter to maintain the institution as truly Christian, though unsectarian. From the first it has been the policy of all concerned in the administration of the institution to maintain a high standard of college life and work, and to put the emphasis upon quality in the development of strong and serviceable Christian manhood and womanhood. Thus the purpose for which the College was founded is expressed in its motto, "*Our Tribute to Christian Civilization.*"

## BOARD OF TRUSTEES

|                                                         |             |
|---------------------------------------------------------|-------------|
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| REV. CHARLES B. SUMNER, LL.D., <i>Secretary</i>         | Claremont   |

### Term of Office Expires June, 1924

|                               |                |
|-------------------------------|----------------|
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| FRANK H. HARWOOD              | San Dimas      |
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| W. R. H. WELDON               | South Pasadena |
| FRED M. WILCOX                | Lamanda Park   |

### Term of Office Expires June, 1925

|                    |               |
|--------------------|---------------|
| DONALD G. APLIN    | Highland      |
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| C. STANLEY CHAPMAN | Fullerton     |
| ELI P. CLARK       | Los Angeles   |
| JOHN M. CURRAN     | Santa Barbara |
| GEORGE W. MARSTON  | San Diego     |

### Term of Office Expires June, 1926

|                                  |             |
|----------------------------------|-------------|
| A. J. CROOKSHANK                 | Santa Ana   |
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| FREDERICK W. LYMAN               | Pasadena    |
| ARTHUR J. MCFADDEN               | Santa Ana   |
| BUTLER A. WOODFORD               | Claremont   |

### Term of Office Expires June, 1927

|                    |             |
|--------------------|-------------|
| ARTHUR S. BENT     | Los Angeles |
| EDWIN F. HAHN      | Pasadena    |
| STEPHEN H. HERRICK | Riverside   |
| SEELEY W. MUDD     | Los Angeles |
| WILLIAM O. WARK    | Claremont   |

### Term of Office Expires June, 1928

|                           |                |
|---------------------------|----------------|
| REV. HENRY K. BOOTH, D.D. | Long Beach     |
| ARTHUR M. DOLE            | Pomona         |
| WILLIAM S. MASON          | Evanston, Ill. |
| REV. CARL S. PATTON, D.D. | Los Angeles    |
| DELL A. SCHWEITZER        | Los Angeles    |
| CHARLES E. WALKER         | Los Angeles    |

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ERNEST E. JONES, *Treasurer*

GEORGE S. SUMNER, *Controller*

ROBERT J. BERNARD, *Executive Secretary*

## COMMITTEES OF THE BOARD

## Executive

JAMES A. BLAISDELL, *Chairman*

CHARLES B. SUMNER, *Secretary*

ARTHUR M. DOLE

CHARLES E. HARWOOD

DELL A. SCHWEITZER

CHARLES E. WALKER

BUTLER A. WOODFORD

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A. J. CROOKSHANK

ELI P. CLARK

FRED M. WILCOX

ERNEST E. JONES

## Ways and Means

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LOUISE BILLINGS, *Secretary*

## Education

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HENRY K. BOOTH

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## Buildings and Grounds

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GEORGE W. MARSTON

WILLIAM S. MASON

## Nominations

DONALD G. APLIN

LLEWELLYN BIXBY

FREDERICK W. LYMAN



## FACULTY

JAMES ARNOLD BLAISDELL

345 College Ave.

*President, 1910\**

B.A., Beloit College; M.A., Beloit College; D.D., Beloit College; LL.D., Drury College and Occidental College. Graduate, Hartford Theological Seminary.

CYRUS GRANDISON BALDWIN

Palo Alto

*President Emeritus, 1890*

B.A., Oberlin College; M.A., Oberlin College. Student, Andover Theological Seminary; D.D., Oberlin College.

EDWIN CLARENCE NORTON<sup>1</sup>

*Dean of the Faculty Emeritus and Professor of the Greek Language and Literature on the Edwin Clarence Norton Foundation, 1888*

B.A., Amherst College; M.A., Amherst College and Yale University; Ph.D., Carleton College; D.D., Pacific Theological Seminary. Graduate Student, Johns Hopkins, Columbia and Oxford Universities.

ERNEST JAMES JAQUA

Harvard and Mesa Aves.

*Dean of the Faculty and Professor of Education, 1923.*

B.A., Grinnell College; M.A., Columbia University; Ph.D., Harvard University.

FRANK PARKHURST BRACKETT

270 E. Third St.

*Professor of Mathematics on the Frank Parkhurst Brackett Foundation and Director of the Observatory, 1888.*

B.A., Dartmouth College; M.A., Dartmouth College. Honorary Fellow, Clark University.

PHEBE ESTELLE SPALDING

261 W. Fifth St.

*Professor of English Literature on the Phebe Estelle Spalding Foundation, 1889.*

B.L., Carleton College; M.L., Carleton College; Ph.D., Boston University.

ARTHUR DART BISSELL

319 Harvard Ave.

*Professor of German, 1892.*

B.A., Amherst College; M.A., Amherst College; B.D., Yale University; Ph.D., Yale University. Graduate Student, University of Leipzig.

GEORGE GALE HITCHCOCK

721 College Ave.

*Professor of Physics, 1892.*

B.A., University of Nebraska. Graduate Student, Johns Hopkins and Cornell Universities.

\*The date in each case denotes the beginning of original term of service.

<sup>1</sup>Absent on leave, 1923-1924.

- CHARLES CUMMINGS STEARNS** 876 College Ave.  
*Professor Emeritus of Biblical History and Literature, 1906.*  
 B.A., Yale University; M.A., Yale University; B.D., Union Theological Seminary. Graduate Student, University of Berlin.
- GRACE ELLA BERRY** 541 Harvard Ave.  
*Dean of Women and Assistant Professor of Mathematics, 1909.*  
 B.S., Mount Holyoke College; M.A., Mount Holyoke College.
- JAMES ALEXANDER LYMAN** 833 Indian Hill Blvd.  
*Professor of Chemistry, 1909.*  
 B.A., Beloit College; M.A., Beloit College; Ph.D., Johns Hopkins University. Graduate Student, University of Chicago.
- MILTON ERASTUS CHURCHILL** 507 Yale Ave.  
*Secretary of the Faculty and Associate Professor of German, 1902.*  
 B.A., Knox College; M.A., Knox College; Litt.D., Knox College; B.D., Yale University. Graduate Student, University of Leipzig.
- MENDALL GARBUTT FRAMPTON** 927 Harvard Ave.  
*Professor of the English Language, 1904.*  
 B.A., Illinois College; M.A., Illinois College; M.A., Harvard University. Graduate Student, Harvard and Chicago Universities.
- CHARLES GRACCHUS NEELY** 739 College Ave.  
*Professor of Constitutional History and Law, 1911.*  
 B.L., University of Illinois.
- WILLIAM ATWOOD HILTON** 1293 Dartmouth Ave.  
*Professor of Zoology on the Willard George Halstead Foundation, 1905.*  
 B.S., Cornell University; Ph.D., Cornell University.
- ROBERT DAY WILLIAMS** 260 E. Seventh St.  
*Professor of Philosophy and Experimental Psychology, 1909.*  
 B.S., Pomona College; M.A., Yale University; Ph.D., Yale University. Graduate Student, University of California.
- BERNARD CAPEN EWER** 706 Indian Hill Blvd.  
*Professor of Psychology, 1916.*  
 B.A., Brown University; M.A., Brown University; Ph.D., Harvard University.
- RALPH HAINE LYMAN** 357 W. Tenth St.  
*Professor of Applied Music and Instructor in Singing, Head of Department of Music, 1917.*  
 B.A., Grinnell College. Student in voice with Karleton Hackett, William B. Olds, Grant Hadley, Arthur Middleton, Courtland Cooper, Holmes Cowper and other American masters and with Vittorino Moratti in Berlin.

MARO BEATH JONES 807 College Ave.  
*Professor of Romanic Languages, 1911.*

B.A., Boston University; M.A., Boston University. Graduate Student, Universities of Chicago, Geneva and Barcelona. Student, Estudis Universitaris Catalans, Barcelona.

WILLIAM EVAN NICHOLL 627 Indian Hill Blvd.  
*Dean of the College and Assistant Professor of Education, 1919.*

B.A., Bellevue College; M.A., Teachers College, Columbia University. Graduate Student, Edinburgh University.

HOMER ELMER ROBBINS 487 Harrison Ave.  
*Professor of Classical History and Language, 1915.*

B.A., University of Michigan; M.A., University of Michigan; Ph.D., University of Michigan. Graduate Student and holder of University and Buhl Classical Fellowships, University of Michigan.

WALDEMAR CHRISTIAN WESTERGAARD 156 W. Seventh St.  
*Professor of History on the Warren F. Day Foundation, 1916.*

B.A., University of North Dakota; M.L., University of California; Ph.D., University of California. Fellow in History, Cornell University.

ROBERT CHARLES DENISON 232 W. Fifth St.  
*Professor of Philosophy, 1920.*

B.A., Amherst College; B.D., Andover Theological Seminary; D.D., Amherst College.

RAYMOND CUMMINGS BROOKS 489 W. Sixth St.  
*Professor of Religion on the Nancy M. Lyon Foundation, 1921.*

B.A., Tabor College; B.D., Yale Divinity School; D.D., Tabor College and Whitman College. Graduate Student, Oberlin College.

BRUCE McCULLY 236 College Ave.  
*Professor of English Literature, 1921.*

B.A., Hiram College; M.A., University of Chicago; Ph.D., Harvard University.

WALTER EARLE HARTLEY<sup>1</sup> 127 W. Eighth St.  
*Professor of Organ and Piano, 1915.*

B.A., Yale University; B.Mus., Yale University. Associate, American Guild of Organists. Pupil of Widor, in Organ and Composition, and of Stubbs.

WILLIAM KIRK 705 Indian Hill Blvd.  
*Professor of Social Economics, 1922.*

B.A., Johns Hopkins University; Ph.D., Johns Hopkins University.

<sup>1</sup>Absent on leave, first semester, 1923-1924.

- JOHN EDWIN GROSE 156 W. Seventh St.  
*Professor of Military Science and Tactics, 1922.*  
B.A., University of West Virginia. Captain, Infantry, U. S. Army.
- GEORGE MORTIMER TURNER 140 Mesa Ave.  
*Visiting Professor of Chemistry, 1923.*  
B.S., Amherst College. Graduate Student, Johns Hopkins University.
- ROBERT JOHN TAYLOR 1249 Harvard Ave.  
*Director of Extension Work in Religious Education and Acting Professor of Comparative Religion, 1923.*  
B.A., Hamline University; M.A., University of Southern California; D.D., Hamline University.
- GEORGE GRAFTON WILSON  
*Harvard Exchange Professor of International Law.*  
Ph.D., Brown University; LL.D., Brown University.
- WILLIAM POLK RUSSELL 506 E. Sixth St.  
*Associate Professor of Mathematics on the Joseph W. Fiske Foundation, 1904.*  
B.A., Cumberland University; M.A., Cumberland University. Graduate Student, Columbia and Yale Universities.
- ARTHUR VOLNEY STOUGHTON 146 W. Seventh St.  
*Associate Professor of Physiology and Hygiene, and College Physician, 1911.*  
B.A., Pomona College; M.D., Ohio Medical University. Graduate Student, Medical Department of Johns Hopkins University and Medical School of Harvard University. Student, Laboratories of Friedrichshain Krankenhaus and Private Laboratory of Professor Pick, Berlin. Resident Physician, Protestant Hospital, Columbus, O.
- HANNAH TEMPEST JENKINS Claremont Inn  
*Associate Professor of Art and Design, 1905.*  
Graduate, Teachers College, Columbia University. Student, Philadelphia Academy of Fine Arts. Pupil of Jean Paul Laurens, Constant and St. Pierre in figure and portrait, of Henry Thompson in landscape, and of Wm. M. Chase, Robert Vonnoh and Cecilia Beaux in portrait. Paris Salonist, 1889.
- EDWARD PAYSON BARTLETT 156 W. Seventh St.  
*Associate Professor of Chemistry, 1909.*  
B.A., Dartmouth College; M.A., Harvard University; Ph.D., Harvard University. Graduate Student, Columbia University.
- VICTOR EDWARD MARRIOTT 116 E. Twelfth St.  
*Librarian, 1912.*  
B.A., Beloit College; M.A., University of California. Graduate Student, Yale University.



- WALTER ALFRED ALLEN 205 E. Ninth St.  
*Associate Professor of Musical Theory and Appreciation, and Instructor in Organ, 1912.*  
 B.A., Beloit College; B.Mus., Yale University. Associate, American Guild of Organists.
- PHILIP ALEXANDER MUNZ 156 W. Seventh St.  
*Associate Professor of Botany on the Henry Kirke White Bent Foundation, 1917.*  
 B.A., University of Denver; M.A., University of Denver; Ph.D., Cornell University. Graduate Student, University of Chicago.
- GEORGE SAMUEL BURGESS 154 E. Tenth St.  
*Associate Professor of Political Economy on the Stedman-Sumner Foundation, 1918.*  
 B.A., University of Michigan; J.D., University of Michigan.
- ROBERT TRESILIAN BELCHER 452 W. Sixth St.  
*Assistant Professor of Mathematics and Engineering, 1907.*  
 B.A., Queen's University. Graduate Student, Queen's College and University of California.
- CARL PETER SCHOTT 746 Harvard Ave.  
*Assistant Professor of Physical Education for Men, 1916.*  
 B.E., Nebraska State Normal School; B.P.E., Young Men's Christian Association College, Springfield, Massachusetts. Graduate Student, Purdue University.
- EUGENE WHITE NIXON 1034 Harvard Ave.  
*Assistant Professor of Physical Training for Men, 1916.*  
 B.A., Monmouth College. Graduate Student, Illinois, California and Columbia Universities.
- FRANK DAVID THOMSON 640 Indian Hill Blvd.  
*Assistant Professor of Accounting and Commercial Subjects, 1918.*  
 B.A., Knox College; M.A., Knox College. Graduate Student, Johns Hopkins University.
- CHARLES TABOR FITTS 137 College Ave.  
*Acting Registrar and Assistant Professor of English, 1919.*  
 B.A., Amherst College. Graduate Student, University of California.
- ALFRED OSWALD WOODFORD 639 Yale Ave.  
*Assistant Professor of Geology, 1915.*  
 B.A., Pomona College; Ph.D., University of California.
- ARMANDO THOMAS BISSIRI 709 College Ave.  
*Assistant Professor of Romanic Languages, 1920.*  
 Liceo Mamiani, Rome. Dottore in Giurisprudenza, Royal University, Rome.

- ALICE EVANS** 618 Harvard Ave.  
*Assistant Professor of Physical Education for Women, 1920*  
B.A., Smith College. Graduate Student, Wellesley College.
- EDWARD TAYLOR** 370 W. Twelfth St.  
*Assistant Professor of Mechanics, 1920.*  
C.E., University of Minnesota. Graduate Student, University of Oregon.
- CLIFFORD NOTT HAND** 1122 College Ave.  
*Director of Religious Interests, 1919.*  
B.L., Pomona College; B.D., Pacific School of Religion. Graduate Student, University of California.
- ARTHUR BABCOCK** 1133 Yale Ave.  
*Assistant Professor of Singing, 1921.*  
Graduate of the New England Conservatory of Music. Student in Voice with Charles A. White, member of faculty of the New England Conservatory of Music, and with Sbriglia, Dubulle and Fugere in Paris.
- EDWARD KAMINSKI** 818 College Ave.  
*Assistant Professor of Art, 1921.*  
Student, St. Bonaventure College, Wisconsin School of Art and Parsons School, New York. Pupil of Frederick Fersman in Oil Painting.
- LAWRENCE DUKES ANDREWS** 333 W. Tenth St.  
*Assistant Professor of Piano, 1922.*  
B.Mus., Lincoln-Jefferson University. Associate, American Guild of Organists. Graduate, Indianapolis Conservatory of Music. Student in Piano with Vernon Spencer, in Organ with Clarence Eddy, in Composition with Orlando A. Mansfield and Percy Goetschius.
- WILLIAM NEWTON** 727 Yale Ave.  
*Assistant Professor of Botany, 1923.*  
B.S., McGill University; Ph.D., University of California. Graduate work, Cambridge University.
- BENJAMIN DAVID SCOTT** 828 College Ave.  
*Assistant Professor of Public Address, 1923.*  
B.A., University of Southern California; S.T.B., Boston University; Ph.D., Boston University. Graduate work, Boston, Brown and Harvard Universities.
- FRANZ RICKABY** 1244 College Ave.  
*Assistant Professor of English, 1923.*  
B.S., Knox College; M.A., Harvard University.
- RALPH RAYMOND UNIACKE** 336 W. Eighth St.  
*Assistant Professor of Violin, 1923.*  
Pupil of Franz Milcke.

- MABLE CLAIR WEST 131 W. Eighth St.  
*Instructor in Piano, 1905.*  
 B.S., Pomona College. Graduate Student, Peabody Conservatory of Music, Baltimore. Pupil of Ernest Hutcheson.
- ALMA MOZELLE ANDERSON 1228 College Ave.  
*Instructor in Romanic Languages, 1919.*  
 B.A., Colorado College. Graduate Student, University of California.
- ROSA FRIEDA BISSIRI 709 College Ave.  
*Instructor in French, 1920.*  
 B.A., Kreuzlingen College, Switzerland.
- JOHN ORN ROADY 1030 Dartmouth Ave.  
*Instructor in Military Science and Tactics, 1921.*  
 First Lieutenant, Infantry, U. S. Army. Graduate, Physical and Bayonet Training Course, Infantry School, Camp Benning, Georgia.
- COLVIN HEATH (Pomona) 867 W. Third St.  
*Instructor in Physical Education for Men, 1922.*  
 B.A., Pomona College.
- CONSTANCE KILLAM GREENE 169 W. Seventh St.  
*Instructor in Physical Education for Women, 1922.*  
 Graduate, Boston School of Physical Education.
- FRANCIS EDWARD BLACET 310 Mills Ave.  
*Instructor in Chemistry, 1922.*  
 B.A., Pomona College.
- LEAVITT OLDS WRIGHT Smiley Hall  
*Instructor in Romanic Languages, 1923.*  
 B.A., Harvard University; B.D., Union Theological Seminary. Graduate work, Teachers College, Columbia University.
- WILLIAM HENRY COOKE 1120 Harvard Ave.  
*Instructor in History, 1923.*  
 B.A., Pomona College; M.A., Pomona College. Graduate Student, Stanford University.
- LEWIS EVERETT SEVERSON 739 College Ave.  
*Instructor in Economics, 1923.*  
 B.A., University of Kansas; M.A., Leland Stanford, Jr., University.
- YOLANDA SHAW ALLEN 1006 Columbia Ave.  
*Instructor in Physical Education for Women, 1923.*  
 B.A., Wellesley College.

EVELYN GARDNER Oliver Court, W. Sixth St.

*Instructor in English, 1923.*

B.A., Beloit College; M.A., Radcliffe College.

KATHLEEN LILLIAN SPOONER 407 Harvard Ave.

*Instructor in Organ, 1923.*

B.A., Pomona College.

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MARION JEANETTE EWING 517 Indian Hill Blvd.

*Assistant Librarian.*

B.A., Olivet College; B.S., Simmons College; M.A., Boston University.

KATHERINE ROMEL WOODS 807 College Ave.

*Assistant Librarian.*

B.A., Pomona College.

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RAYMOND MOREMEN 741 Dartmouth Ave.

*Assistant to the President.*

B.A., Pomona College.

BRAINERD DYER 146 W. Seventh St.

*Assistant Freshman Class Adviser.*

B.A., Pomona College.

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### ASSOCIATE FACULTY

RUTH BAKER DAY 457 W. Seventh St.

Ph.B., De Pauw University; M.A., Northwestern University.

*Instructor in French.*

EDITH MARGUERITE HITCHCOCK 721 College Ave.

*Instructor in Public School Music.*

B. A., Pomona College.

MARCUS EUGENE JONES 1248 College Ave.

*Honorary Curator of Botany.*

B.A., Grinnell College; M.A., Grinnell College.

CHARLES LEROY LOWMAN, M.D. Los Angeles

*Lecturer on Orthopaedics.*

WILLIAM WILEY MATHER Upland

*Lecturer on Education.*

B.A., Pomona College.

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### TEACHING FELLOW

KATE HAINSWORTH MERRELL 150 W. Ninth St.

B.A., Pomona College.



## CLASS OFFICERS

## GENERAL

Mr. Nicholl

## JUNIOR

Messrs. Robbins and Ewer

## SENIOR

Messrs. Brackett and Bartlett

## SOPHOMORE

Messrs. McCully and Newton

## FRESHMAN

Mr. Fitts, Miss Berry,

Mr. Dyer

## COMMITTEES OF THE FACULTY

ADMISSION—Messrs. Fitts, Nicholl, Miss Berry. On call.

CLASSIFICATION—Messrs. Fitts, Brackett, Williams, Miss Berry.  
Room 10. 3:15 p. m., Friday.COLLEGE LIFE—Mr. Nicholl, Miss Berry, Messrs. Kirk, Fitts,  
Woodford, Miss Evans. Room 9. 11:15 a. m., Friday.COURSES OF STUDY—Messrs. Jaqua, Burgess, J. A. Lyman, Mc-  
Cully, Munz, Fitts. Sumner Hall. 11:15 a. m., Thursday.FACULTY MEETINGS—Miss Berry, Messrs. Ewer, Nicholl. 10:15  
a. m., Monday.GRADUATE STUDY—Messrs. Brackett, Burgess, Nicholl, Hilton.  
On call.LIBRARY—Miss Spalding, Messrs. Marriott, Bartlett, Wester-  
gaard, Miss Ewing. On call.PHYSICAL EDUCATION—Messrs. Russell, Stoughton, Schott, Nixon,  
Miss Evans, Mr. Woodford. On call.PUBLICATIONS—Messrs. Churchill, Hilton, Bernard, Thomson.  
On call.PUBLIC EVENTS AND LECTURES—Messrs. Williams, Hand, Bernard.  
On call.Music and Drama—Messrs. R. H. Lyman, Allen, Schott,  
Howard. On call.RELIGIOUS INTERESTS—Messrs. Marriott, Hand, Brooks, Mrs.  
Bissiri, Mrs. Emerson. On call.

ROOMS—Messrs. Jaqua, Nicholl, Churchill. On call.

RULES—Mr. Nicholl, Miss Berry, Mr. Fitts. On call.

STUDENT AID AND LABOR—Messrs. Hand, Marriott, Nicholl, Miss  
Berry. On call.

## CHARACTER OF THE COLLEGE

POMONA COLLEGE is located at Claremont on the Santa Fe and Pacific Electric Railways, thirty-five miles from Los Angeles. It is connected by the Pacific Electric Railway with Pomona, which is four miles distant, on the Union Pacific and Southern Pacific roads. On the rim of an orchard-covered valley, which is hemmed in on all sides by lofty mountains, and with Mt. San Antonio in the immediate background rising to the height of ten thousand feet, its situation is one of rare beauty. The genial southern climate invites to outdoor life and exercise the year round, while the deep canyons, the rushing streams and the long trails to the heart of the hills allure to the rewarding intimacies of nature. The town of Claremont, which now numbers about two thousand inhabitants, owes its existence to the College, and has the attractive features of the typical college community. The location and situation, within easy reach of the great and growing metropolis of the Southwest, and yet in the quiet retirement of valley and hill, is uniquely wholesome and stimulating in full measure to simplicity and thoughtfulness and all the best enthusiasms of which life is capable.

The College is pre-eminently a company of workers. From the very beginning it has maintained a reputation for interest in thorough scholarship rather than in large numbers. The procedures of the College are established in the purpose of appealing to students who appreciate the seriousness of the College opportunity. To this end, the standards of admission are unusually high. Not only is the number limited, but as defined elsewhere, only students who have finished their preparation with a high grade of promise are received. It is the distinct purpose to make the membership in the institution itself a scholastic honor. This inevitably involves a sacrifice of certain values which would be

temporarily pleasurable but which are not consistent with the most remunerative purposes.

It is the habit of the College to urge that scholarship should not only be high but also broad and inclusive. Pomona College is not a professional school. It insists that the best preparation for life includes not only the ample, generous and complete training of the college course, such as is here given, but also at a later period a thorough and definite professional specialization. It has farther insisted that this best and most complete training is practicable for a much larger number of young people than commonly feel that they have the resources of time and money for it. The College is eager to co-operate in the problems of such aspiring students; it has also been singularly successful in permeating its body of students with these ambitions, and the remarkable success of its graduates is due in no small degree to the fact that nearly seventy per cent of all who have graduated have taken subsequent professional training.

To the end that the College may be adequate for the broadest intellectual citizenship and service, a certain number of courses representing typically the differentiated fields of knowledge and investigation are required, and particular emphasis laid upon those topics which relate to the history of thought, the organization of society and the bases of truth and righteousness. These courses are required of all, whether staying a longer or shorter time in the institution, as being important to the main purpose for which the College exists. While these few courses are required, there is around them ample field for selection, according to the student's individual interest and purpose.

The College recognizes the fact that social training is also an essential part of education. It is believed that the co-educational character of the College greatly increases the culture of the student body in this respect. Working together on the highest levels of life, men and women are most likely to associate in mutual respect and dignity. It is practically the unanimous testi-

mony of the graduates of this College that these relations add to the genuine wholesomeness and rounded worth of the student's life. While emphasizing social values and opportunities, the College, however, recognizes them as interests which must be held subordinate to the main business of study and work. For this reason limitations which sometimes may seem narrow are laid upon the social life of the college community. Fraternities and sororities, in the ordinary acceptance of these terms, and extravagant social life, do not exist at Pomona College, and no one should seek the institution who is not willing to make surrender of some personal pleasures in the interests of the common college earnestness and simplicity.

Once more; the College is frankly Christian. It owes its origin and support to men and women of Christian ideals; it cannot, therefore, be other than loyal to these interests. Instead of maintaining a separate Christian life, the College also urgently lays upon its students the obligation of allegiance to that wider democracy of service and uplift which is represented in the Christian Church. The College is, nevertheless, emphatically broad in its hospitality to modern thought. It holds that no student should go out of the College unaware of the throbbing questions of the day or unprepared to face the winds of free discussion; therefore, it welcomes all honest expression of opinion, putting faith in the power of truth to hold its own in the arena of open debate. It thus seeks to resource the coming generation with a leadership of intellectual capacity, directed will and Christian character.

## DEGREES

### BACHELOR OF ARTS

The courses of study offered by the College lead to the degree of Bachelor of Arts. These courses include certain required studies, but also a wide range of electives in language and literature, philosophy, economics, history, mathematics, science and fine arts. An average of fifteen hours of academic work per semester throughout the four years is required for the completion of the courses. *A detailed statement of the curriculum will be found on page ———*

### COURSES WITHOUT DEGREES

Mature students, ordinarily only such as are at least twenty-one years of age, may be admitted as special students to courses for which by ability and preparation they may be fitted. Special students are not candidates for a degree, though completion of the prescribed courses in Music and Art entitles the student to receive the special State Teacher's Certificate upon the recommendation of the College.

### MASTER OF ARTS

A limited number of students, whose under-graduate records show marked excellence, are accepted as candidates for the Master's degree. Only those are admitted who give promise of contributing a definite and inspiring influence to the life of the College. Such residence is therefore required as is deemed necessary to insure mutually helpful relations. *A further statement of requirements will be found on page ———*



## ADMISSION

### GENERAL REQUIREMENTS AND METHODS OF ADMISSION

It is the purpose of Pomona College to do a distinctly and notably high grade of work, thus preparing its graduates for special distinction in whatever later callings they may choose. To this end candidates for admission to any class must present satisfactory evidence of their fitness for college, both in character and in scholarship. Testimonials of character and a letter of honorable dismissal from the last institution attended are required.

It is further advised that applications be made as early as possible, inasmuch as the College cannot under present conditions guarantee the admission of more than one hundred and twenty-five men and one hundred women to the freshman class, the trustees having limited the total attendance to seven hundred and fifty.

The College welcomes tentative applications from prospective freshmen several years in advance and is glad to offer suggestions from time to time regarding the best preparation for admission. In this respect the good offices of the College are freely at the service of all interested inquirers. A medical examination conducted by an authorized physician, under the direction of the Department of Physical Education, is required of all students.

### ADMISSION TO FRESHMAN STANDING

Applicants are admitted to freshman standing in any one of three ways, as follows:

*First:* Examination by the College.

*Second:* Certificate of the College Entrance Examination Board.

Examinations are given by the College Entrance Examination Board at certain times and places, which may be learned from the Registrar or from principals of secondary schools.

*Third:* Certificate from approved schools or colleges.

Students from approved schools or colleges are admitted without examination on presentation of a certificate signed by the principal or proper official and showing in detail the requisite completed courses. Certificate blanks obtained from the principal should be filled out and returned as early as possible after the completion of the high school year.

No application is considered which does not show fifteen units in accepted subjects, at least twelve of which are recommended. Special endorsement by the principal must accompany all papers showing non-commended units, such endorsement to include the specific recommendation of the candidate, both as to character and ability, for the undertaking of college work.

Those are matriculated to full standing who at the end of a semester's residence meet the requirements (see Matriculation); those who do not meet the requirements are not allowed to matriculate and are enrolled as in partial standing. No student in partial standing is recommended to college standing in another institution. The final acceptance of entrance units is based upon the character of the work done in class at Pomona College as well as upon the grade of the units presented.

### ADMISSION TO ADVANCED STANDING

Students who have sufficient credit from other institutions are admitted to advanced standing on credentials signed by the proper officials and giving full specifications concerning the nature of the courses taken and the time spent in each, together with their rank in each subject. They are assigned hours and credits on the basis of their credentials, but such assignment is provisional until ratified by the Classification Committee. This ratification is not given until after the required semester's residence, at which time the Committee has power to act in adjusting hours or credits, or both, to the qualifications shown.

## ADMISSION AS SPECIAL STUDENTS

Mature students, ordinarily only such as are at least twenty-one years of age, may be admitted as special students to courses for which, by ability and preparation, they may be fitted. This provision applies particularly to those equipped for advanced studies in special departments. The privilege of classification as special students is not open to those who seek admission to College in this way as a means of avoiding compliance with the entrance or collegiate requirements laid down for regular students. Special students are not candidates for a degree.

## ADMISSION OF GRADUATE STUDENTS

While Pomona College places its main emphasis upon undergraduate courses, it is equipped in some departments to do more advanced work, and the Committee on Admission is empowered to admit to study in these departments graduates of this and other colleges who are prepared to continue in such work.

On registration, graduate students indicate whether they are candidates for the Master's degree, or seeking a teacher's certificate, or are students at large.

## CREDITS FOR NON-COMMENDED WORK

Students who enter with some of their work non-commended may remove their deficiency in one of three ways—by examination, by continuing the same line of study in College with high grade or by extra work in College not counted towards a degree. These three methods are more fully described as follows:

*First:* Students may be examined upon any of the accepted subjects presented for entrance, and upon passing with B grade receive credit toward entrance for that subject.

Students wishing to remove deficiencies by examination must do so before entering upon College work. Such examinations must be taken during the first three days of registration week of either semester or (by special arrangement) the week preceding

the College commencement. They must be arranged for in advance through the Registrar.

*Second:* Entrance credit will be given for non-commended work after a student has completed with high grade two or more College courses in the same or a closely allied subject, or upon conditions laid down in individual cases by the Classification Committee.

*Third:* Entrance credit may be gained by work in certain College courses, but such courses cannot count toward the number of hours or credits required for graduation, nor for honors. Moreover, students may not substitute for subjects specifically required for entrance other subjects taken in this way.

Students are not candidates for a degree nor are they eligible for recommendation to college standing in another institution until they have been matriculated. Students are matriculated only after they have come into full standing. All students must be matriculated before attaining to Junior standing.

#### COURSES REQUIRED FOR ADMISSION TO FRESHMAN STANDING

In the following outline of courses a "unit" represents a course of study in one subject of high school grade involving five forty-five minute recitations per week or an equivalent for a school year. Laboratory periods should be at least twice the length of recitation periods.

Not less than one unit in any subject is normally accepted, though a half unit may be accepted when accompanied by units for courses in allied subjects.

#### SPECIFIC REQUIREMENTS—9 UNITS

English, 3 units

History, 1 unit

One foreign language,  
2 units

Algebra, 1 unit

Geometry, 1 unit

\*One laboratory science,  
1 unit

## ADDITIONAL REQUIREMENTS—3 UNITS

*Selected from the following:*

English

Mathematics

History

\*Laboratory Science

Foreign Language

## ELECTIVE—3 UNITS

It is recommended that these electives be chosen from the subjects specified above, but in view of the importance of other lines of high school work credit is allowed for full units in other courses counted for high school graduation, the acceptance of which is specifically recommended by the principal of the school.

## DESCRIPTION OF SUBJECTS

Details regarding subjects accepted for entrance may be secured from the Chairman of the Committee on Admission. In general each unit represents a year's work in the subject, as ordinarily presented in the California high schools.

## EXTRA ENTRANCE CREDITS

If, by examination or by certificate, a student presents more than fifteen units of commended work for admission, he may, after the lapse of a semester and upon formal application, receive college credit for certain subjects taken in the third or fourth year of the high school course, provided that these subjects, or others closely allied, have been continued in college with high grade, one unit of commended work being allowed from three to five hours of college credit. Extra credit is thus allowed in foreign language, advanced mathematics, advanced science, and English. Credit, varying in amount with the individual courses, is granted for graduate work in approved high schools.

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\*Heads of departments in which students wish to continue laboratory subjects begun in high school may, at their option, require the high school note-books to be submitted as evidence of ability to continue with more advanced work in the department.



# CURRICULUM

## DEGREE OF BACHELOR OF ARTS

The courses of study offered lead to the degree of Bachelor of Arts under the following hour and credit requirements.

### HOURLY REQUIREMENTS

One hundred and twenty-six hours of work are required for graduation. An "hour" consists of one recitation or lecture period, or one laboratory period a week for one semester. A recitation or lecture period covers fifty-five minutes; a laboratory period covers, in general, the time of three such periods. In order to complete the course in four years one must take an average of fifteen hours of academic work per semester throughout the four years.

### CREDIT REQUIREMENTS

In order to graduate a student must not only earn a certain number of hours, but also attain an average of at least C grade in those hours. To this end a certain number of credits is ascribed to each grade as a basis of determining average grade. The scale is so adjusted that the number of credits required for graduation coincides with the number of hours. Details regarding credits are published in "*The Manual of Procedure.*"

### CHOICE OF SUBJECTS

In the selection of his work the student is given a large range. The only limitations are such as will insure to him, on the one hand, the breadth of view which may be gained by an introductory study of each of the great realms of knowledge; and, on the other, that concentration along some chosen line of work which shall develop power of thought and an actual fund of knowledge in some particular field.

To this end there are certain subject requirements as stated below. The College would emphasize also the advisability of

selecting work representing each of the following broad groups of subjects:

1. Language, Literature and Fine Arts.
2. Mathematics, Physical and Biological Sciences.
3. History, Social Sciences and Philosophy.

### SUBJECT REQUIREMENTS

Orientation—6 hours, Freshman year.

English Composition<sup>1</sup>—6 hours, Freshman year.

Foreign Language—12 hours, Freshman and Sophomore years.

Economics, History or Political Science—6 hours, Sophomore year.

Hygiene<sup>2</sup>—2 hours, Freshman or Sophomore year.

Mathematics or Science—6 hours, Freshman year.

Mathematics or Science—6 hours, Sophomore year, except for those who enter with credit for three units in one of these subjects.

Physical Education—4 hours in Freshman and Sophomore years and 2 hours in Junior and Senior years for those not taking Military Training. For those taking Military Training the requirement is 1 hour per year throughout the course.

Military Training—Required of all men entering to Freshman or Sophomore standing, until they have credit for two years' work or the equivalent.

Economics, English, History or Political Science—6 hours, Junior or Senior year, unless 3 recommended units of English and 3 of History were presented for entrance.

Philosophy, Psychology or Religion—9 hours, Sophomore, Junior or Senior year. 6 hours must be taken in Junior and Senior years and may be all in one department or distributed among these departments.

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<sup>1</sup>Required only of those deficient in the use of English.

<sup>2</sup>Must be taken in Freshman year by the women and in Freshman or Sophomore year by the men, unless the equivalent is offered.

In addition to these requirements, there is a general requirement of 36 hours of C and D academic work, of which at least 9 must be D work.

### DEPARTMENTAL MAJOR

Students who have shown special ability in one line of work may, with the consent of the head of the department, enroll for a departmental major. This major includes at least 18 C or D hours in the department chosen, together with certain courses in allied subjects, and usually a reading knowledge of French and German. Six of these 18 hours must be D hours and at least 6 must be taken in the Senior year. The student plans his work in consultation with the head of the department concerned. Certain prerequisites, differing with the subject chosen, are indicated for each major. A final examination or thesis or both may be required.

Students who desire to become candidates for a departmental major should indicate such intention to the head of the department as early as possible.

The student who completes a departmental major receives in addition to his diploma the special commendation of the department.

### COURSES IN MUSIC AND ART

The College is equipped to offer unusual privileges in the Departments of Art and of Theoretical and Applied Music. The influence of the College is greatly enriched by the contributions made through these departments to the cultural life of the institution as a whole. In Bridges Hall the great musicians of the world are heard, all students being supplied with admission to their concerts. Great enlargement of life comes through intimate acquaintance with these arts, both in theoretical and applied forms, and the College urges all regular students to include them, at least to some degree, in their cultural courses, credit

toward the B.A. degree being granted on conditions specified under the detailed description of the courses.

### TEACHERS' CERTIFICATES

The College meets the requirements of the State Board of Education for the State Certificate, enabling those recommended by the College to teach in the public elementary, junior high and secondary schools of the State of California.

### SUMMER SESSION

The Summer Session affords opportunity to undergraduate students, especially, but also to high school teachers and others, to pursue work for credit in various departments. The Department of Zoology conducts its work at the Laguna Beach Marine Laboratory, Professor W. A. Hilton, Director. Other departments meet in the College buildings at Claremont. The session opens immediately after Commencement and continues for six weeks.

### MUSIC AND DRAMA COURSE

In order to insure to the entire student body the opportunity of hearing and seeing the great artists of the day whose public appearance is usually confined to the larger cities, the College introduces each year a group of the most distinguished masters in the various departments of achievement. For the concerts and other entertainments thus afforded an annual ticket is furnished to every student.

### DEGREE OF MASTER OF ARTS

Candidates for the degree of Master of Arts consult with the Chairman of the Committee on Graduate Work as to the special requirements which will be made in their cases. In addition to the presentation of a thesis, twenty-four hours of work are re-

quired for the higher degree. The twenty-four hours are divided between a major subject and a minor subject in the same or in a closely allied department. No elementary undergraduate work may be counted. One copy of the thesis, bound in accordance with specifications in the hands of the librarian, must be placed in the College library.

### SCHOOL OF EDUCATION

The School of Education was established at Pomona College in March, 1920, and formally recognized by the California State Board of Education on March 24th. The school is designed to train teachers and school administrators with the same thoroughness that has characterized Pomona undergraduate standards. Arrangements with the nearby schools have opened an unusual opportunity for practice teaching under the supervision of skilled teachers. The special courses in education, conducted by masters of the subjects, offer rich opportunities beyond the mere technical requirements of State certification laws.

Work in the School of Education looks to the securing of certificates in California and surrounding states as follows:

- I. General Secondary, or High School Certificates.
- II. Junior High School Certificates.
- III. Special Secondary Certificates.
  - Manual and Fine Arts Type.
  - Music Type.
  - Physical Education Type.
- IV. General Elementary Certificates.
- V. Special Elementary Certificates of the three types listed above.

At least Junior standing in Pomona College is required for enrollment in the School of Education, though the elementary



required courses for special certificates may be taken in Freshman and Sophomore years.

Graduate work, looking to High School certificates, requires the Bachelor's degree from an approved college.

Graduates of approved Normal Schools and Junior Colleges are admitted to the courses leading to all certificates.

Graduates of Junior Colleges, looking to teaching in the Elementary Schools of California, can secure their elementary certificates with their B.A., and have all work count directly toward the requirements for High School certificates without loss.

### LECTURE FOUNDATIONS

#### THE JOSEPH H. JOHNSON FOUNDATION

The Joseph H. Johnson Foundation, liberally endowed by Miss Ellen B. Scripps, provides an annual income for the purpose of furnishing to the College for a protracted stay and intimate participation in college life notable educators from other institutions. By this means such educators are annually in residence in Pomona College. The opportunity of intimate contact with distinguished instructors thus afforded to undergraduates is a unique privilege, often surpassing the privileges of the classroom of the institution from which these educators come.

#### THE HENRY D. PORTER FOUNDATION

The Henry D. Porter Foundation, named in honor of the late Rev. Henry D. Porter, for many years a missionary in China, secures to the institution annually, the extended stay of some prominent worker in the field of Christian Missions. The lecturer upon this foundation commonly shares in the regular classroom work related to the history, geography, politics or religion of the region in which he has been actively at work. This vivid representation of the missionary life is one of the most stimulating features in the spiritual program of the College.

## CURRICULUM

An outline of the work which leads to graduation is here given by years. A more complete description of each course may be found under "*Departments of Instruction.*"

Each "hour" represents one recitation or laboratory period per week for one semester.

## FRESHMAN YEAR

|                                                |   |                |
|------------------------------------------------|---|----------------|
| Hygiene <sup>1</sup> .....                     | 2 | semester hours |
| Physical Education <sup>2</sup> .....          | 2 | semester hours |
| Military Training ( <i>for men</i> ) .....     | 3 | semester hours |
| Foreign Language <sup>3</sup> .....            | 6 | semester hours |
| Orientation .....                              | 6 | semester hours |
| Mathematics or Science .....                   | 6 | semester hours |
| Elective.....Not less than 12 nor more than 15 |   | semester hours |

## SOPHOMORE YEAR

|                                                        |   |                |
|--------------------------------------------------------|---|----------------|
| Physical Education <sup>2</sup> .....                  | 2 | semester hours |
| Military Training ( <i>for men</i> ) .....             | 3 | semester hours |
| Foreign Language .....                                 | 6 | semester hours |
| Mathematics <sup>4</sup> or Science <sup>4</sup> ..... | 6 | semester hours |
| History, Economics or Political Science .....          | 6 | semester hours |
| Elective.....Not less than 12 nor more than 15         |   | semester hours |

## JUNIOR AND SENIOR YEARS

|                                                                     |     |                     |
|---------------------------------------------------------------------|-----|---------------------|
| Physical Education .....                                            | 1   | semester hour each  |
| Economics, English, History or Political Science <sup>5</sup> ..... | 6   | semester hours      |
| Philosophy, Psychology or Religion .....                            | 6-9 | semester hours      |
| Elective.....Not less than 28                                       |     | semester hours each |

Should include any course requirements not already completed and enough advanced C and D courses to complete the graduation requirement of "36 hours of C and D-work, of which 9 must be D."

<sup>1</sup>Must be taken in Freshman year by the women, and in Freshman or Sophomore year by the men, unless the equivalent is offered.

<sup>2</sup>One hour required of those taking Military Training.

<sup>3</sup>Must continue language begun in Freshman year unless two years of some one language are accepted for entrance, in which case the requirements may be met by 6 hours of that language and 6 hours of another foreign language.

<sup>4</sup>Unless 3 recommended units of Mathematics or 3 of Laboratory Science were presented for entrance.

<sup>5</sup>Unless 3 recommended units of English and 3 of History were presented for entrance.

# COURSES OF INSTRUCTION

## DESIGNATION OF COURSES

The letter preceding the number in the designation of a course indicates in general its grade. Elementary courses, designated by A (as English A1) are given in Freshman or Sophomore year; B courses are either those which follow the A courses of earlier years or the more advanced beginning courses; C and D courses are advanced courses given to Juniors and Seniors, D courses being the more difficult. The natural sequence of courses is from A to B, B to C, and C to D, and a student may not enter a C or D course without previous work in the same line.

Courses with numbers below 100 are underclass courses; those numbered from 100 to 199 are for Juniors and Seniors; those numbered over 200 are for graduate students. Properly qualified Seniors may be enrolled in graduate courses with the consent of the instructor.

Any course may be withdrawn if the enrollment is less than five.

In departments where one-hour courses are offered, two such courses should be completed to secure the counting of hours and credits towards graduation.

When courses in different semesters have the same general number (as B1a, B1b) they cover a common subject, and the entire sequence should be taken. If, however, they are connected by a hyphen (as B1a-B1b), the first course is complete in itself and may be followed by some allied subject instead of the next course in the sequence.

All courses are three hours each unless otherwise designated.

Roman numerals show the periods of recitations. Two courses with the same Roman numerals cannot be taken contemporaneously unless the numerals are preceded by different

letters (as *M* or *W*), showing that the classes meet on different days of the group.

|                   | 7:30      | 9:15       | 10:15     | 11:15       | 1:15      | 2:15       | 3:15        |
|-------------------|-----------|------------|-----------|-------------|-----------|------------|-------------|
| <i>MWF</i> .....  | <i>I</i>  | <i>III</i> | <i>V</i>  | <i>VII</i>  | <i>IX</i> | <i>XI</i>  | <i>XIII</i> |
| <i>TThS</i> ..... | <i>II</i> | <i>IV</i>  | <i>VI</i> | <i>VIII</i> | <i>X</i>  | <i>XII</i> | <i>XIV</i>  |

Hours to be arranged—A.

If a letter precedes the numeral, the class meets only on that day of the group.

## ART

The following description of courses is suggestive only, as the work varies slightly from year to year, as the needs of the individual classes demand. Courses in applied art may be repeated for credit. Classes in Graphics, Machine Drawing, Descriptive Geometry and Perspective are described under the Department of Engineering.

- A1a, A1b. Drawing. KAMINSKI  
1 hour each. Both semesters. *T, II and laboratory.*
- A2a, A2b. Color and Design. KAMINSKI  
1 hour. Both semesters. *Th, II and laboratory.*
- B9a, B9b. Art Appreciation. JENKINS  
2 hours each. Both semesters. *TTh, VIII and laboratory.*
- B11a, B11b. Drawing and Composition. KAMINSKI  
1 hour each. Both semesters. *T, VIII and laboratory.*
- B12a-B12b. Color and Design continued KAMINSKI  
1 hour each. Both semesters. *Th, VIII and laboratory.*
- B14a-B14b. Commercial Art. KAMINSKI  
1 hour each. Both semesters. *M, III and laboratory.*
- B104. Clay Modeling. KAMINSKI  
1 hour. Second semester. *A.*
- C101a, C101b. Dynamic Symmetry. KAMINSKI  
1 hour each. Both semesters. *W, III and laboratory.*
- C103a-C103b. Design Applied to Interiors and  
Costume. KAMINSKI  
1 or 2 hours each. Both semesters. *F, III and laboratory.*
- C105a-C105b. Oils, Landscape and Still Life. JENKINS  
1 or 2 hours each. Both semesters. *A.*

- C106a-C106b. Water Color. JENKINS  
1 or 2 hours each. Both semesters. A.
- C111. History of Art. NORTON  
Outline study of Greek art. (*Omitted 1923-1924.*)
- C112. History of Art. SPALDING  
Second semester. VIII.
- D113a, D113b. Drawing from Life. KAMINSKI  
1 hour each. Both semesters. A.
- D115a-D115b. Oil continued. JENKINS  
1 or 2 hours each. Both semesters. A.
- D116a-D116b. Water Color continued. JENKINS  
1 or 2 hours each. Both semesters. A.
- D117. Portrait. JENKINS  
1 or 2 hours. Either semester. A. Model fee, \$2.00 per hour.
- D119a, D119b. Teaching of Art. KAMINSKI  
1 hour each. Both semester. A.

### ASTRONOMY

- B17a, B17b. Navigation and Nautical Astronomy. BRACKETT  
Both semesters. (*Omitted in 1923-1924.*)
- C100a, C100b. General Astronomy. BRACKETT  
This course is designed for students who have had only elementary courses in physics or chemistry, and mathematics. Class room, two hours a week; lecture and observatory amounting to one exercise a week. Both semesters. VI.
- C103. Essentials of Astronomy. BRACKETT  
This course is designed for students who have a working knowledge of analytic geometry and calculus and of the more important principles in physical science; or it may be taken as an advanced course by those who have had Astronomy C100. Some preparation in free-hand and mechanical drawing also is very desirable. First semester. IV.<sup>1</sup>
- D104. Theoretical and Practical Astronomy. BRACKETT  
Prerequisite: Astronomy C100 or C103. Class room, one hour a week; lecture and observatory amounting to two exercises a week. Ordinarily alternates with Astronomy D106. Second semester. IV.

<sup>1</sup>Also one evening per week, including the second Thursday of each month.



**D106. Astrophysics. BRACKETT**

Class room, one hour a week; lecture and observatory amounting to two exercises a week. Prerequisite: Astronomy C100 or C103. Ordinarily alternates with Astronomy D104. Second semester. Laboratory fee, \$5.00.

**D230. Seminar in Astronomy. BRACKETT**

1 to 4 hours either semester. May be repeated for credit A.

**BIBLE**

(See Religion)

**BIOLOGY****A1a and A1b. General Biology. HILTON, MUNZ AND ASSISTANTS**

A general course which can be taken for credit only by students who have had no high school Biology, Botany or Zoology. Both semesters. Class *MW, VII*; laboratory, *MTWTh or F, 1:15-4:10*. Laboratory fee, \$6.00.

**C106. Genetics. MUNZ**

Course in modern developments in heredity and evolution and their application in plant and animal breeding. First semester. Class, *MW, I*; laboratory, *A*. Laboratory fee, \$5.00.

**D219. Teaching of Biological Sciences. HILTON AND MUNZ**  
Second semester. 2 hours. *A*.**BOTANY****B21a, B21b. General Botany. MUNZ AND ASSISTANTS**

A necessary introductory course for advanced work in botany. Both laboratory and field work. Laboratory, two exercises a week; lecture, one hour a week. First semester. *F, I*; laboratory, *T and Th, 1:15-4:10*. Laboratory fee, \$7.00 each.

**C105. Bacteriology. NEWTON**

Prerequisite: One year of biological work. Two laboratory periods and one lecture a week. First semester. Class *W, I*; laboratory, *TF, 1:15-4:10*. Laboratory fee, \$8.00. Breakage deposit, \$5.00.

**C121. Plant Histology. MUNZ**

Two laboratory periods and one lecture a week. First Both semesters. (*Omitted in 1293-1924.*)

- C123. Plant Physiology.** NEWTON  
A study of nutrition and life-processes in the plant. Laboratory, two periods a week; lecture, one hour a week. First semester. A. Laboratory fee, \$8.00. Breakage deposit, \$5.00.
- C125. Comparative Morphology.** MUNZ  
An advanced course in morphology and evolution of green plants. Two laboratory periods and one lecture a week. First semester. *TTh, XVI*. Laboratory fee, \$7.00.
- C126. Taxonomy.** MUNZ  
Study of local native plants, and of taxonomic methods. Two periods in the laboratory and field, and one lecture a week. Second semester. Class A; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00. (*Omitted in 1923-1924.*)
- C127. Ecology.** MUNZ  
Study of influence of environment and plant adaptations. Laboratory and field work two periods a week; one lecture a week. Second semester. Class, A; laboratory, *MW, 1:15-4:10*. Laboratory fee, \$7.00.
- D129. Plant Pathology.** NEWTON  
Study of diseases of citrus and other local crops, with methods of control. Laboratory and field work, two periods week. Second semester. A. Laboratory fee, \$7.00.
- D131. Investigation and Research.** MUNZ AND NEWTON  
Either semester. 1 to 3 hours. A. Laboratory fee, \$2.00 for each hour of credit.
- D132. Investigation and Research.** MUNZ AND NEWTON  
A continuation of Botany D131. Either semester. 1 to 3 hours. A. Laboratory fee, \$2.00 for each hour of credit.
- D133. Pomology.** NEWTON  
Study of citrus and other horticultural crops with special reference to physiological aspects. Laboratory and field work, two periods a week; one lecture per week. Second semester. A. Laboratory fee, \$7.00.
- D231. Investigation and Research.** MUNZ AND NEWTON  
Either semester. 2 to 6 hours. A. May be repeated for credit. Laboratory fee, \$2.00 for each hour of credit.

## CHEMISTRY

## GENERAL CHEMISTRY

- A1a, A1b. The Elements of Chemistry.** BLACET  
An introductory course intended for those who have no

previous knowledge of the subject. Both semesters. Class, *TTh, II*; laboratory, *T or Th, 1:15-4:10*. Laboratory fee, \$6.00.

**A3. Systematic Inorganic Chemistry. LYMAN**

Covering chiefly the metals. Prerequisite: high school chemistry, or Chemistry A1b. To be accompanied by Chemistry A4. First semester. *III*.

**A4. Inorganic Preparations. BLACET**

To accompany Chemistry A3, except that students who have made A or B grade in Chemistry A1a, A1b, may be excused from taking Chemistry A3. First semester. 2 hours. *T and Th or W and F, 1:15-4:10*. Laboratory fee, \$10.00.

**B5. Systematic Inorganic Chemistry. LYMAN**

Covering chiefly the non-metals. To follow Chemistry A3, and to be accompanied by Chemistry B6. Second semester. 2 hours. *MW, III*.

**D120a, D120b. Chemistry Conference. BARTLETT**

Reports by students upon current chemical literature. Occasional inspection of manufacturing plants. Open only to students taking D courses in chemistry. Both semesters. 1 hour each. *F, I*.

**D219. Teaching of Chemistry. BARTLETT**

Second semester. 2 hours. *A*.

### ANALYTICAL CHEMISTRY

**B6. Systematic Qualitative Analysis. BARTLETT AND BLACET**

To be accompanied by Chemistry B5. One class and two laboratory periods a week. Second semester. Class, *F, III*; laboratory, *T Th or W F, 1:15-4:10*. Laboratory fee, \$10.00.

**B7. Quantitative Analysis. BARTLETT AND BLACET**

Gravimetric and Volumetric. Prerequisite: Chemistry B6. One class and two laboratory periods a week. Either semester. Class, *T, VIII*; laboratory, *A*. Laboratory fee, \$10.00.

**C108. Advanced Gravimetric Analysis. BARTLETT**

Prerequisite: Chemistry B7. One class and three laboratory periods a week. First semester. 4 hours. Class, *A*; laboratory, *A*. Laboratory fee, \$10.00.

**C111. Advanced Volumetric Analysis and Electro-analysis.**

**BARTLETT**

Prerequisite: Chemistry B7. One class and three labora-

tory periods a week. Second semester, 4 hours. Class, *T, VIII*; laboratory, *A*. Laboratory fee, \$10.00.

### C117. Food Analysis.

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Prerequisite: Chemistry B7, C109, C110. Three laboratory periods a week. First semester. Laboratory, *A*. Laboratory fee, \$10.00. (*Omitted in 1923-1924.*)

### D112. Advanced Quantitative Analysis. BARTLETT

Prerequisite: Chemistry C108 and C111. Conferences and three laboratory periods a week. First semester. Laboratory, *A*. Laboratory fee, \$12.00.

### D113. Advanced Quantitative Analysis. BARTLETT

Prerequisite: Chemistry C108 and C111. Conferences and three laboratory periods a week. Second semester. Laboratory, *A*. Laboratory fee, \$12.00.

## ORGANIC CHEMISTRY

### B9. Systematic Organic Chemistry. LYMAN

Chiefly the aliphatic compounds. Prerequisite: Chemistry A1b and A4, or Chemistry B5. First semester. *VII*.

### B10. Organic Chemistry Laboratory. LYMAN

To accompany Chemistry B9. First semester. 1 or 2 hours. *A*. Laboratory fee, \$6.00 for the first hour; \$4.00 for the second hour.

### C109. Systematic Organic Chemistry. LYMAN

Chiefly the cyclic compounds. Prerequisite: Chemistry B9 and B10. Second semester. *VII*.

### C110. Organic Chemistry Laboratory. LYMAN

To accompany Chemistry C109. Second semester. 1 or 2 hours. *A*. Laboratory fee, \$6.00 for the first hour; \$4.00 for the second hour.

### D114. Advanced Organic Chemistry. LYMAN

Prerequisite: Chemistry C110. Class, once a week. *W, I*; laboratory, two periods a week. First semester. *A*.

### D115. Biochemistry. LYMAN

Prerequisite: Chemistry C110. Class, twice a week, 2 hours; *M W, I*; laboratory, one period a week, 1 hour. *A*. The class work may be taken without the laboratory work, for 2 hours' credit. Second semester. Laboratory fee, \$6.00.

### D214-D215. Research in Organic Chemistry. LYMAN

Prerequisite: Chemistry D114. Lectures, conferences, and

laboratory work. Both semesters. 2 to 6 hours each. A.  
Laboratory fee, \$6.00 to \$15.00 each.

### PHYSICAL CHEMISTRY

#### D119a-D119b. Physical Chemistry. BARTLETT

Prerequisite: Chemistry C108, C111, C109, C110. College Physics and Calculus must precede or accompany this course. (After 1923-1924, College Physics and Calculus must precede this course). A reading knowledge of French and German is very desirable. Two class and one laboratory periods a week. Both semesters. Class, *ThS, VIII*; laboratory, A. Laboratory fee, \$8.00 each.

#### D217-D218. Research in Physical Chemistry. BARTLETT

Prerequisite: Chemistry D119a, D119b. Both semesters, 2 to 6 hours each. A. Laboratory fee, \$6.00 to \$15 each.

### CHEMICAL TECHNOLOGY

#### D211, D212. Petroleum Technology. TURNER

A study of the technical practices of the laboratories of petroleum companies, and the fields for research that are offered by materials found in petroleum. One class and two laboratory periods a week. Both semesters. Class, *M, VII*; laboratory, A. Laboratory fee, \$10.00.

A breakage deposit of \$10.00 is required of all students for each laboratory course. At the conclusion of the work the deposit, less breakage, is returned.

### CONSTITUTIONAL HISTORY

(See Political Science and Law)

### ECONOMICS AND SOCIOLOGY

#### A2a, A2b. Economic and Financial History. THOMSON

Prerequisite: Three units of High School History or one year of College History. Both semesters. I.

#### B1a, B1b. Introduction to Economics. SEVERSON

Both semesters. I, III.

#### B31a, B31b. Accounting. THOMSON

Both semesters. VII.

#### B103. Principles of Economics. BURGESS

First semester. III.

#### C132a-C132b. Advanced Accounting. THOMSON

Both semesters. IV.



- C104. Money and Banking. BURGESS  
Prerequisite: Economics B1 or B103. First semester. V.
- C105. Foreign Exchange. SEVERSON  
Prerequisite: C104. Second semester. IV.
- C106. Public Finance. BURGESS  
Second semester. VIII.
- C108. Problems of Labor. KIRK  
Second semester. V.
- C115. Principles of Foreign Trade. BURGESS  
Second semester. II. (*Omitted 1923-1924.*)
- C109. Corporation Finance. SEVERSON  
Prerequisite: Economics B1 or B103. First semester. VI.
- D107. Trust Problems. BURGESS  
First semester. II. (*Omitted in 1923-1924.*)
- D110. Railroad Transportation. BURGESS  
First semester. II.
- D111. Investments. SEVERSON  
Prerequisite: Economics C109. Second semester. VI.
- D113. Ocean Transportation. BURGESS  
Normally follows Economics C110. Second semester.  
(*Omitted in 1923-1924.*)
- D114. Elements of Marketing. BURGESS  
Second semester. II.
- D119a, D119b. Economics Seminar. BURGESS  
Both semesters. 1 hour each. F, XI.
- B21a, B21b. Elements of Sociology. KIRK  
Both semesters. VI.
- C125. Poor Relief. KIRK  
First semester. V.
- C129. Statistics. SEVERSON  
First semester. VIII.
- D126. Criminology. NEELY  
Normally follows Economics C125. Second semester. II.  
(*Omitted in 1923-1924.*)

|                                                          |         |
|----------------------------------------------------------|---------|
| D127. Theories of Social Reform.                         | KIRK    |
| First semester. <i>III.</i>                              |         |
| D130. Immigration.                                       | KIRK    |
| Second semester. <i>III.</i>                             |         |
| D112. Social Psychology.                                 | EWER    |
| First semester. <i>IV.</i>                               |         |
| D201. History of Economics.                              | BURGESS |
| First semester. <i>IV. (Omitted in 1923-1924.)</i>       |         |
| D202. Economic Theory.                                   | BURGESS |
| Second semester. Two hours a week. <i>A.</i>             |         |
| D219. The Teaching of Economics.                         | _____   |
| Either semester. 2 hours. <i>(Omitted in 1923-1924.)</i> |         |

## EDUCATION

|                                                                         |                   |
|-------------------------------------------------------------------------|-------------------|
| B1. Psychology.                                                         | WILLIAMS AND EWER |
| Either semester. First semester, <i>III.</i> Second semester, <i>V.</i> |                   |
| B3a-B3b. History and Principles of Education.                           | JAQUA             |
| 2 hours. <i>WF, V. (Omitted in 1923-1924.)</i>                          |                   |
| B103. Elementary Education.                                             | FITTS             |
| First semester. 2 hours. <i>MF, I.</i>                                  |                   |
| C107. Educational Psychology.                                           | EWER              |
| Prerequisite: Psychology B1. First semester. <i>VII.</i>                |                   |
| C108. Applications of Psychology.                                       | EWER              |
| Second semester. <i>III.</i>                                            |                   |
| C114. History of American Education.                                    | JAQUA             |
| First semester. 2 hours. <i>TTh, IV.</i>                                |                   |
| C113. The Junior High School.                                           | FITTS             |
| Second semester. 2 hours. <i>MF, I.</i>                                 |                   |
| C115. Secondary Education.                                              | JAQUA             |
| Second semester. 3 hours. <i>I.</i>                                     |                   |
| C130. California School Law.                                            | NICHOLL           |
| Either semester. 2 hours. <i>TTh, II.</i>                               |                   |
| C118. Education for Citizenship.                                        | NICHOLL           |
| Either semester. 2 hours. <i>A.</i>                                     |                   |

- D103. Public School Administration. \_\_\_\_\_  
 Second semester. 2 hours. *TTh, VIII.*
- D104. Philosophy of Education. NICHOLL  
 First semester. 2 hours. *TTh, VIII.*
- D210. Practice Teaching. NICHOLL  
 Both semesters. 4 hours. *A.*
- D216. Mental Measurements. WILLIAMS  
 First semester. *V.*
- D217. Educational Measurements. WILLIAMS  
 Prerequisite: Economics B1 or B103. First semester. *V.*  
*See also courses D219 as listed under Art, Biology, Chemistry, Economics, English, French, History, Mathematics, and Spanish, which are teachers' courses, Psychology B3a, B3b, and Physical Education C126, all of which are accepted by the Department of Education.*

## ENGINEERING

Those who complete the courses offered in the Engineering department, together with a judicious selection from the work offered in mathematics and science, can complete in two years their work for an engineering degree in the standard schools of engineering or technology.

- A1a-A1b. Graphics. TAYLOR  
 An elementary course for Art or Mathematics majors.  
 Both semesters. 2 hours each. *TTh, 1:15-4:10.*
- A2a-A2b. Engineering Drawing. TAYLOR  
 A beginning course for engineers. Both semesters. 2 hours each. *TTh, 1:15-4:10.*
- B3a, B3b. Graphics. BELCHER  
 An advanced course in orthographic and isometric projections. Prerequisite: Engineering A2b or its equivalent.  
 Both semesters. 2 hours each. *TTh, 1:15-4:10.*
- B11a, B11b. Surveying. BELCHER  
 Class recitations, field work, office computations and mapping. Both semesters. *A.*
- C112a-C112b. Engineering Design. TAYLOR  
 A laboratory course in the design of cams, gears, machine parts and simple trusses. Both semesters, two three-hour periods a week. 2 hours' credit each semester. *A.*
- C115. Descriptive Geometry. BELCHER  
 Prerequisite: Engineering A1. First semester. *A.*

- C116. Perspective.** BELCHER  
Prerequisite: Engineering C115. Second semester. A.
- D113a-D113b. Analytic Mechanics.** TAYLOR  
A study of force and motion with special reference to engineering structures. Prerequisite: A knowledge of calculus. Both semesters. VII.
- D117. Hydraulics.** TAYLOR  
Must be preceded by or accompanied by Engineering D113. First semester. Two recitations and one laboratory period a week. Class, TTh, 9:15; laboratory, A.
- D118. Hydraulic Machinery.** TAYLOR  
Prerequisite: Engineering D117. Second semester. One recitation and two laboratory periods a week. Class, T, 9:15; laboratory, A.
- D119. Strength of Materials.** TAYLOR  
(Omitted in 1923-1924.)
- D120. Mechanics of Elastic Bodies.** TAYLOR  
(Omitted in 1923-1924.)

## ENGLISH COMPOSITION AND LANGUAGE

### COMPOSITION

- A21. Composition.** FRAMPTON  
Elementary course required of those who are deficient in English. Second semester. A.
- A22. Freshman Composition.** RICKABY and GARDNER  
Elective course for Freshmen. Both semesters. II, VI.
- B23. Sophomore Composition.** FRAMPTON  
Elementary study of Literary Criticism, the Essay and the Short-Story. Students should take this course as a preparation for the specialized courses of the Department. First semester. IV.
- A24a, A24b. Commercial English.** THOMSON  
Special attention to commercial correspondence. Both semesters. VI.
- C125. Essay Writing.** RICKABY  
Second semester. V.
- C126. Journalism.** \_\_\_\_\_  
(Omitted in 1923-1924.)

- C128. Short-Story Writing. FRAMPTON  
Open to Sophomores who have made a grade of C or better in English B23, and to upper classmen. First semester. V.
- D127. Literary Criticism. FRAMPTON  
First semester. *T, X and XII, and F, IX.*
- D129. Writing of Plays. RICKABY  
First semester. *III.*
- D230. Composition Seminar. FRAMPTON  
Students must obtain the written consent of the instructor prior to registration. Second semester. *T, X and XII and F, IX.*

## LANGUAGE

- C141. Anglo-Saxon. FRAMPTON  
Required of students whose major is English Language. First semester. *VII.*
- C144. Chaucer. FRAMPTON  
It is desirable, though not necessary, that those who elect this course shall have had English C141 and English B6. Given in alternate years. Required of those whose major is English Language. (*Omitted in 1923-1924.*)
- D142. Beowulf. FRAMPTON  
Required of those whose major is English Language. Prerequisite: English C141. Second semester. *VII.*
- D219. The Teaching of English. FITTS  
Second semester. 2 hours. *A.*

## ENGLISH LITERATURE

Students who make English Literature their major subject should consult the head of the department regarding their choice of courses and other work.

- A1a, A1b. Introduction to Literature. MCCULLY  
A course in fundamental principles of literary criticism and interpretation together with a study of the chief literary types. Both semesters. *V.*
- B3. Development of English Literature. SPALDING  
Prerequisite: English A1a, A1b in case of Freshmen and Sophomores. First semester. *VI.*
- B4. Shakespeare: A rapid reading course. SPALDING  
Second semester. *VI.*



- B5a, B5b. Nineteenth Century Literature. GARDNER  
Prerequisite: English A1a, A1b in case of Freshmen and Sophomores. Both semesters. *III.*
- B6. Medieval Literature. FRAMPTON  
In the case of Freshmen and Sophomores must be accompanied or preceded by English A1a, A1b. (*Omitted in 1923-1924.*)
- B13a-B13b. Greek Literature and Life. NORTON  
Prerequisite: English A1a, A1b in case of Freshmen and Sophomores. Both semesters. (*Omitted in 1923-1924.*)
- C103a-C103b. Eighteenth Century Literature. MCCULLY  
Both semesters. *II.*
- C107-C108. American Literature. GARDNER  
Both semesters. *IV.*
- C109. Browning. SPALDING  
First semester. *V.*
- C110. Milton and His Period. SPALDING  
Second semester. *V.*
- D111. Elizabethan Literature: Non-dramatic. MCCULLY  
First semester. *VI.*
- D112. History of English Drama to 1642. FRAMPTON  
Second semester. *VI.*
- D113. Shakespeare: The English History Plays. SPALDING  
Prerequisite: English B4 or equivalent. First semester. *VIII.*
- D114. Shakespeare: Selected Plays. MCCULLY  
Second semester. *VI.*
- D115-D116. The Novel. MCCULLY  
Both semesters. (*Omitted in 1923-1924.*)
- D117. Wordsworth and Shelley. MCCULLY  
First semester. *I.*
- D118. The Great Victorians. MCCULLY  
Second semester. *I.*
- D202. Masterpieces in English. SPALDING  
First semester. *VII.*
- D216. Seminar in Literature. SPALDING  
Second semester. *VII.*

## FRENCH

- A1a, A1b. Elementary. R. F. BISSIRI AND WRIGHT  
Both semesters. Four sections. *I, I, III, III.*
- B3a, B3b. French Novel of the Nineteenth Century. R. F. BISSIRI, WRIGHT AND DAY  
Both semesters. Five sections. *II, II, V, VI, VI.*
- B4a, B4b. Grammatical Analysis. R. F. BISSIRI  
Prerequisite: French A1 or equivalent. Both semesters.  
2 hours each. *TTh, XII.*
- C105. Classic Drama. JONES AND R. F. BISSIRI  
Prerequisite: French B3 or equivalent. First semester.  
Two sections. *V, V.*
- C106. Seventeenth Century Prose. JONES AND R. F. BISSIRI  
Prerequisite: French B3 or equivalent. Second semester.  
Two sections. *V, V.*
- C107a, C107b. French Conversation. R. F. BISSIRI  
Prerequisite: French B3 or equivalent. Both semesters.  
1 hour each. *Th, XIV.*
- D109. Literature of the Eighteenth Century. JONES  
Alternates with French D111. Prerequisite: French C105  
and C106. First semester. (*Omitted in 1923-1924.*)
- D110. Romantic School. JONES  
Alternates with French D112. Prerequisite: French C105  
and C106. Second semester. (*Omitted in 1923-1924.*)
- D111. Literature of the Renaissance. JONES  
Alternates with French D109. Prerequisite: French C105  
and C106. First semester. *IV.*
- D112. Ronsard to Malherbe. JONES  
Alternates with French D110. Prerequisite: French C105  
and C106. Second semester. *IV.*
- D219. The Teaching of French. JONES  
First semester. 2 hours. *A.*

## GEOLOGY

- B1. Physical Geology. WOODFORD  
Dynamic and structural. Prerequisite: One year of college  
chemistry, or High School Chemistry and Physics. Class-  
room, two hours a week; laboratory or field work, one  
period a week. First semester. Classroom, *WF, I*; labora-  
tory, *W or Th, 1:15-4:10*. Laboratory fee, \$3.00.

- B2. Historical Geology.** WOODFORD  
Prerequisite: Geology B1. Second semester. Class, *WF, I*; laboratory or field work, *W or Th, 1:15-4:10*. Laboratory fee, \$3.00.
- B3. Determinative Mineralogy.** WOODFORD  
Prerequisite: High School Chemistry. Either semester. Two laboratory periods. 2 hours. A. Laboratory fee, \$4.00.
- C105. Crystallography.** WOODFORD  
Must be preceded or accompanied by Geology B3. First semester. 2 hours. *WF, V*.
- C106. Descriptive Mineralogy.** WOODFORD  
Prerequisite: Geology B3 and C105. Second semester. Class, *WF, V*; laboratory, *T, 1:15-4:10*. Laboratory fee, \$4.00.
- C107-C108. Invertebrate Palaeontology.** WOODFORD  
Prerequisite: Geology B2. Both semesters. One class and two laboratory periods. A. Laboratory fee, \$6.00 per semester. Given alternate years. (*Omitted 1923-1924.*)
- C110. Petrology.** WOODFORD  
Prerequisite: Geology B1, B3, C105. Second semester. One class and two laboratory periods. A. Laboratory fee, \$4.00.
- D104. Field Geology.** WOODFORD AND TAYLOR  
Prerequisite: Geology B2, C110. A summer course of six weeks. 6 hours. A.
- D111. Optical Mineralogy.** WOODFORD  
Prerequisite: Geology C105. First semester. Two class and one laboratory periods. A. Laboratory fee, \$5.00. Given alternate years.
- D112. Petrography.** WOODFORD  
Prerequisite: Geology D111. Second semester. One class and two laboratory periods. A. Laboratory fee, \$8.00. Given alternate years.

### GERMAN

- A1a, A1b. Elementary Course.** BISSELL  
Both semesters. First division, *II*; second division, *V*.
- B3a, B3b. Prose Narrative and Drama.** BISSELL  
Prerequisite: German A1, or two years of elementary German. Both semesters. *VI*.
- B4a, B4b. Composition.** CHURCHILL  
May be required of those deficient in German. Both semesters. 1 hour each. A.

**B6a, B6b. Composition. CHURCHILL**

Advanced narrative prose. For students of good standing.  
Both semesters. 1 hour each. *A.*

**C109a-C109b. German Novel of the Nineteenth Century. BISSELL**

Prerequisite: German B3 or equivalent. Both semesters. *I.*

**C110a, C110b. German Composition and Conversation. BISSELL**

Required of those making German their major. Prerequisite: German B3 or equivalent, and German B6. Both semesters. 1 hour each. (*Omitted in 1923-1924.*)

**C111. Scientific German. BISSELL**

Intended primarily for those planning to do graduate work leading to the degree of Doctor of Philosophy. Prerequisite: German B3 or equivalent. Second semester. *VIII.*

**D112. Composition. BISSELL**

Advanced course. Required of all who desire the recommendation of the Department as teachers. Prerequisite: German C110. First semester. (*Omitted in 1923-1924.*)

**D113. Lessing. BISSELL**

First semester. *IV.*

**D114. Goethe. BISSELL**

Prerequisite: German D113. Second semester. *IV.*

**D115. Outline Course in the History of German Literature and Language to the Age of Lessing. BISSELL**

Prerequisite: German C109 or equivalent. First semester. (*Omitted in 1923-1924.*)

**D116. German Literature from Lessing to the Death of Goethe. BISSELL**

Prerequisite: German 115. Second semester. (*Omitted 1923-1924.*)

**GREEK****B1a, B1b. Elementary Greek. ROBBINS**

Both semesters. *M, XIII; WF, IX.*

**B3. Selections from Herodotus; Plato, *Apology and Crito.* ROBBINS**

First semester. *III.*

- B4. Homer, *Odyssey*; Sophocles, *Antigone* or Euripides, *Alcestis*. ROBBINS  
Second semester. III.
- C106. Sophocles, *Oedipus the King*; Aeschylus, *Prometheus*. ROBBINS  
Second semester. A. (*Omitted in 1923-1924.*)
- C107. Hellenistic Greek. NORTON  
First semester. A. (*Omitted in 1923-1924.*)
- B13a-B13b. Greek Literature and Life. NORTON  
This course is open to those who have no knowledge of the Greek language. Both semesters. (*Omitted in 1923-1924.*)

### HISTORY

Students wishing to major in History present their programs to the head of the Department for approval. They must offer at least 24 hours in the Department, of which 18 are C and D work, and at least 6 hours in the allied departments of Economics and Political Science; they shall also present credit in two modern languages.

- A1a, A1b. General European History. WESTERGAARD AND COOKE  
Both semesters. I.
- B2a-B2b. Medieval European History. (476-1648). COOKE  
Both semesters. VIII.
- B7a-B7b. English History. \_\_\_\_\_  
Both semesters. VIII. (*Omitted in 1923-1924.*)
- C107a, C107b. American History. COOKE  
Both semesters. III.
- C108. The British Empire. \_\_\_\_\_  
First semester. XI. (*Omitted in 1923-1924.*)
- C113. Modern European History. WESTERGAARD  
(1648-1815).  
First semester. VII.
- D114. Modern European History. WESTERGAARD  
(1815-1920).  
Second semester. VII.
- D119. Contemporary European History. WESTERGAARD  
First semester. 2 hours. A.



D127a, D127b. American History. WESTERGAARD  
Both semesters. (*Omitted in 1923-1924.*)

D129. Early American Cartography and Exploration. MARRIOTT

Prerequisite: Two years of college history. Second semester. 2 hours. A.

D220. Teaching of History. WESTERGAARD  
Second semester. 2 hours. A.

D230. Seminar in History. WESTERGAARD

Required of those seeking a departmental Major in History. First semester. 2-4 hours. A.

For classes in American Government, American Colonial Government, American Diplomacy and Constitutional History, *see* the Department of Political Science and Law. For courses in Hebrew History, Church History and History of Religions, *see* the Department of Religion. For courses in Economic History, *see* Economics A2a, A2b, and for History of Philosophy, *see* Philosophy C125 and C126.

### ITALIAN

C131a, C131b. Elementary. JONES  
Both semesters. XI.

D133. Tragedy and Drama of the Eighteenth Century. A. T. BISSIRI

Alternates with D135. Prerequisite: Italian C131 or equivalent. First semester. (*Omitted in 1923-1924.*)

D134. Il Cinquecento. A. T. BISSIRI

Alternates with D136. Prerequisite: Italian C131, or equivalent. Second semester. (*Omitted in 1923-1924.*)

D135. Boccaccio and Petrarch. A. T. BISSIRI

Alternates with D133. Prerequisite: Italian C131, or equivalent. First semester. IV.

D136. Dante. A. T. BISSIRI

Alternates with D134. Prerequisite: Italian C131, or equivalent. Second semester. IV.

### LATIN

A1a, A1b. Elementary Latin. ROBBINS  
Both semesters. I.

A2a, A2b. Cicero, Ovid and Vergil. ROBBINS  
Prerequisite: Latin A1a, A1b, or equivalent. Both semesters. VII. (*Omitted in 1923-1924.*)

- B3. Cicero, *De Senectute*; Pliny, *Letters*. ROBBINS  
First semester. VI.
- B4a, B4b. Composition. ROBBINS  
Required of all making Latin their major. Both semesters.  
1 hour each. A.
- B5. Horace. ROBBINS  
Second semester. VI.
- C106. Roman Comedy: Selected plays from Plautus  
and Terence. History of the Roman Drama. ROBBINS  
First semester. IV. (*Omitted 1923-1924.*)
- C107. Roman Elegy: Catullus; Tibullus; Propertius;  
Ovid. Origin and development of the elegy. ROBBINS  
Second semester. IV. (*Omitted 1923-1924.*)
- C108a, C108b. Composition, Connected Narrative. ROBBINS  
Required of those making Latin their major. Prerequisite:  
Latin B4. Both semesters. 1 hour each. A.
- D109. Roman Philosophy. Selections from the  
philosophical works of Cicero, Lucretius and Seneca.  
Contribution of Rome to history of philosophy. ROBBINS
- D110. Roman Satire: Martial; Persius; Juvenal.  
History of Satire. ROBBINS  
Second semester. VIII.
- D114a, D114b. Composition. Original Papers. ROBBINS  
Required of those making Latin their major. Prerequisite:  
Latin C108. Both semesters. 1 hour each. A.  
First semester. VIII.
- C115. Greek and Roman Private Life. ROBBINS  
Knowledge of the Greek and Latin languages not required.  
First semester. 2 hours. *TTh*, VIII. (*Omitted 1923-1924.*)
- C116. Greek and Roman Public Life. ROBBINS  
A continuation of C115. Second semester. 2 hours. *TTh*,  
VIII. (*Omitted 1923-1924.*)
- D219. The Teaching of Latin. ROBBINS  
First semester. 2 hours. *WF*, XI.
- D220. Special Latin. ROBBINS  
Seminar in Roman Literature and Roman Political Institutions.  
Second semester. 2 hours. A.

## LAW

(See Political Science and Law.)

## MATHEMATICS

The courses in Mathematics designated A1, A2, B3, A4 and A5 are intended primarily for Freshmen. Students who enter with credit for three and a half or four units of commended work in Mathematics, including solid geometry and trigonometry, may take Mathematics B6 or B13. Mathematics A5a and A5b are intended primarily for those who do not expect to take further work in the subject. Others should take Mathematics A1 and A2, or B3a and B3b, or A4 and A2, according to their preparation and need. Those who major in Mathematics are expected to take D227.

- A1. Solid Geometry. TAYLOR  
Second semester. V.
- A2. Plane Trigonometry. TAYLOR and RUSSELL  
Either semester. First semester, V. Second semester, III.
- A4. Algebra. RUSSELL  
A semester course in second year Algebra, designed for those who have studied Algebra only a year. First semester, III.
- A5a, A5b. Elementary Analysis. BERRY  
Both semesters. III.
- A8. Mathematical Introduction to Engineering. TAYLOR  
Prerequisite: Plane trigonometry. First semester. II.
- B3a-B3b. Algebra. RUSSELL  
Prerequisite: Two years of High School Algebra. Both semesters. V.
- B6. Advanced and Spherical Trigonometry. RUSSELL  
Prerequisite: Plane trigonometry. First semester. (*Omitted in 1923-1924.*)
- B13a-B13b. Analytic Geometry and Calculus. RUSSELL  
Designed to follow Mathematics A1 and A2, B3 or A4 and A5. Both semesters. VI.
- B17. Elements of Analytic Geometry and Calculus. TAYLOR  
Primarily for students of Engineering, to follow Mathematics A8. Second semester. II.
- C108a, C108b. Analytic Geometry and Calculus. TAYLOR  
This course follows Mathematics B17. Both semesters. VI.

- C115a, C115b. Differential and Integral Calculus. RUSSELL  
A continuation of Mathematics B13a, B13b. Both semesters.  
IV.
- D119. Theory of Equations. RUSSELL  
First semester. II.
- D120. Differential Equations. RUSSELL  
Second semester. II.
- D121a, D121b. Higher Analysis. BRACKETT  
The content of this course differs from year to year. Both  
semesters. A.
- D227a, D227b. Projective Geometry. BRACKETT  
Both semesters. V. (*Omitted in (1923-1924.)*)
- D219. The Teaching of Mathematics. BRACKETT  
First semester. 2 hours. A.

### MILITARY SCIENCE

This institution maintains an Infantry unit, senior division, of the Reserve Officers' Training Corps. Enrollment in the basic course, during the Freshman and Sophomore years, is required of all physically fit male students. Those first taking this basic course in Sophomore year are required to continue the same in Junior year. The advanced course, for Junior and Senior years, is open to selected students, who have completed the basic course, and who sign an agreement to attend an advanced camp for not to exceed six weeks during one summer vacation. Men in the advanced course receive commutation of rations, about ten dollars a month, from the Government, for two college years and the summer vacation between; transportation to and from camp, pay of soldiers of the 7th grade while there, food, clothing and shelter; a tailored uniform which may be retained upon graduation; and may be commissioned as Second Lieutenant in the Officers' Reserve Corps. All students in the R. O. T. C. are furnished uniforms without cost. Students who have satisfactorily completed two full academic years in a Junior R. O. T. C. unit, will normally be admitted to the second year of the basic course. Students who have completed three full years in a Junior R. O. T. C. unit may be admitted to the advanced course in their Freshman year.

- A1a, A1b. Basic Course. GROSE and ROADY  
Elementary subjects of Military Training; Infantry Drill;  
Rifle Marksmanship. Both semesters. 1½ hours each.  
Class, TTh, VIII; field work, M, 1:15-3:10.

**B3a, B3b. Basic Course. GROSE and ROADY**

Military Map Reading and Sketching; Infantry Drill; Automatic Rifle; Musketry. Both semesters.  $1\frac{1}{2}$  hours each. Class, *Th, VIII, or F, IX*; field work, *M, 1:15-3:10*.

**C105a, C105b. Advanced Course. ROADY**

Military Law; Field Engineering; Infantry Weapons (the pistol, machine guns, trench mortars and one-pounder gun.) Junior year. Both semesters.  $3\frac{1}{2}$  hours each. *II and M, 1:15-3:10*.

**D107a, D107b. Advanced Course. GROSE**

Military History; Administration. Tactics. Senior year. Both semesters.  $3\frac{1}{2}$  hours each. *IV and M, 1:15-3:10*.

**MUSIC****HISTORY AND THEORY OF MUSIC**

Courses in the History and Theory of Music are granted credit on the same basis as other college studies, and proficient students may major in either theoretical or applied music under conditions arranged in consultation with the head of the Department.

**A1a, A1b. Elementary Harmony and Ear Training.****ALLEN and ANDREWS**

Both semesters. Two divisions, *I, II*.

**B3a, B3b. Musical History and Appreciation. UNIACKE**

Both semesters. *XI*.

**B5a, B5b. Harmony. ALLEN**

Prerequisite: Music A1, and an elementary knowledge of the pianoforte. Both semesters. Two sections, *VII, IX*.

**B12. Music Appreciation. BISSELL**

Elementary course. Prerequisite: Music A1 or equivalent. First semester. *XIII*.

**B18. French Diction. BABCOCK**

Open to those specializing in music. Either semester. No hours. A. Fee, \$17.50 per semester.

**C105. Harmonic Analysis. ALLEN**

First semester. *II*.

**C106. Keyboard Harmony. ALLEN**

Second semester. *II*.

**C107a, C107b. Counterpoint (Free Composition). ALLEN**

Prerequisite: Music B5. Both semesters. *VI*.



- C112. Music Appreciation. BISSELL  
 Advanced course. Prerequisite: Music B5a and B12 or equivalent. Second semester. *XIII.*
- C113a, C113b. Orchestration. HARTLEY  
 Prerequisite: Music B5. Both semesters. *XIII.* (*Given only second semester 1923-1924.*)
- D108a-D108b. Composition. ALLEN  
 Prerequisite: Music C107. Both semesters. *A.*
- D219. Public School Music Methods. HITCHCOCK  
 First semester. 2 hours. *A.*

### APPLIED MUSIC

Any student may take work in Applied Music, but is enrolled for credit only upon the written recommendation of the Chairman of the Examining Committee and the Head of the Department, and upon the subsequent favorable action of the Classification Committee. This recommendation and the action of the committee are based upon the degree of ability shown in proficiency tests. (*See Music Bulletin.*) Work in Applied Music to receive credit must be carried with a minimum of two half-hour lessons weekly and must be accompanied or preceded by the theoretical courses A1 and B5. Under these conditions the applied work is rated as two hours for each semester. Not more than sixteen such hours may be counted toward the degree.

- |                                   |                              |
|-----------------------------------|------------------------------|
| Voice                             | LYMAN, BABCOCK and Assistant |
| Organ                             | HARTLEY and SPOONER          |
| Piano                             | ANDREWS and WEST             |
| Stringed Instruments and Ensemble | UNIACKE                      |

### ORIENTATION

- A1. College Life and Study. FITTS and Assistants  
 First semester. *IV.*
- A2. Economic. KIRK  
 Either semester. *IV.*
- A3. Literary. FITTS  
 Either semester. *IV.* (*Omitted in 1923-1924.*)
- A4. Religious. BROOKS  
 Either semester. *IV.*

## A5. Governmental.

BURGESS

Either semester. IV.

Four courses are required of all Freshmen. Each course covers about nine weeks and receives 1½ hours credit.

## PHILOSOPHY

## B23. The Elements of Ethics.

DENISON

First semester. V.

## C125. Ancient and Medieval Philosophy.

DENISON

First semester. VII.

## C126. Modern Philosophy.

DENISON

Second semester. VII.

## C127. Introduction to Philosophy.

DENISON

First semester. IV.

## D129. Philosophy of Religion.

DENISON

Second semester. VI.

## D130. Contemporary Philosophical Problems.

DENISON

Second semester. V.

## D132. Philosophy of the State.

DENISON

Second semester. IV.

## D133. Philosophy of Evolution.

DENISON

First semester. VI.

## D230. Philosophy Seminar.

DENISON

Either semester. 1-4 hours. A.

## PHYSICAL EDUCATION

A course of Informational Hygiene, described under the Department of Physiology as A1, is required of all. The courses are graded, systematic and progressive. Their purpose is to remedy ordinary physical defects, and develop endurance and co-ordination.

## MEN AND WOMEN

## C126. Normal Growth.

GREENE

2 hours. Second semester. TTh, IV.

## C133a, C133b. Playground Theory and Methods.

SCHOTT

1½ hours each. Both semesters. M, 1:15-4:15. Fee, \$2.50 each course.

## D130. Kinesiology.

EVANS

First semester. III.

## MEN

Physical measurements are taken at the beginning and end of Freshman and Sophomore years, and are optional for Juniors and Seniors. They are designed primarily to determine vital strength and organic weakness, secondarily to determine muscular strength. The measurements obtained are plotted on anthropometrical tables to determine development and comparison with the average. Any individual who is below normal is given prescribed exercise. A gymnasium fee of \$5.00 is required of all men.

A1a, A1b. Elementary Gymnastics.\* SCHOTT and Assistants  
Freshman year, both semesters.  $\frac{1}{2}$  hour each. *TTh, VI or WF, V.*

A2a, A2b. Sports. SCHOTT and Assistants  
Freshman year, both semesters.  $\frac{1}{2}$  hour each. *A.*

B3a, B3b. Advanced Gymnastics.\* SCHOTT and Assistants  
Sophomore year, both semesters.  $\frac{1}{2}$  hour each. *TTh, 4:15.*

B4a, B4b. Sports. SCHOTT and Assistants  
Sophomore year, both semesters.  $\frac{1}{2}$  hour each. *A.*

C105a, C105b. Sports. SCHOTT and NIXON  
Junior year, both semesters.  $\frac{1}{2}$  hour each. *A.*

C107a, C107b. Sports. SCHOTT and NIXON  
Senior year, both semesters.  $\frac{1}{2}$  hour each. *A.*

C131a, C131b. Theory of Athletics. SCHOTT and HEATH  
Open to Senior men only, both semesters. 2 hours each.

## WOMEN

A physical examination is given to all entering students followed by posture test each semester and a second physical examination at the end of the Sophomore year.

A11a, A11b. Gymnastics. GREENE and ALLEN  
Required, Freshman year. Both semesters.  $\frac{1}{2}$  hour each.  
Two sections, *MW, VII or XIII.*

A12a, A12b. Sports. EVANS, GREENE and ALLEN  
Two periods of sports, elected by the student subject to the approval of the director. Required, Freshman year. Both semesters.  $\frac{1}{2}$  hour each. *A.*

\*The men in athletics are, upon recommendation of the coach, excused from actual participation in gymnastics during the period covered by the particular sport in which they are engaged.

- B13a, B13b. Gymnastics. GREENE and ALLEN  
Required, Sophomore year. Both semesters.  $\frac{1}{2}$  hour each.  
Two sections. *TTh, VIII or XIV.*
- B14a, B14b. Sports. EVANS, GREENE and ALLEN  
Two periods following the plan of A12. Required, Sophomore year. Both semesters.  $\frac{1}{2}$  hour each. *A.*
- C115a, C115b. Sports. EVANS, GREENE and ALLEN  
Junior year. Both semesters.  $\frac{1}{2}$  hour each. *A.*
- C122a, C122b. Playground Dancing. EVANS  
Open only to those taking Physical Education C133. Both semesters.  $\frac{1}{2}$  hour each. *W, XI.*
- D110a, D110b. Practice Teaching of Gymnastics. EVANS  
Both semesters. 2 hours each. *MW, VII.*
- D111a, D11b. Practice Teaching of Dancing.  
GREENE and ALLEN  
Both semesters. 1 hour each. *F, VII.*
- D112. Teaching of Physical Education. EVANS  
Second semester. 2 hours. *MW, III.*
- D119a, D119b. Methods in Coaching and Supervising Sports. EVANS and ALLEN  
Both semesters. 1 hour each. *F, XI.*
- D131. Study and Treatment of Growth Divergencies.  
LOWMAN and GREENE  
Prerequisite: D130. Second semester. 3 hours. Lecture, 2 hours; laboratory, 1 hour. *A.*

## PHYSICS

- A1a, A1b. Elements of Physics. HITCHCOCK  
Designed for those having had no previous work in the subject. Prerequisites: Elementary Algebra and Plane Geometry. Both semesters. 4 hours. Class, *V*; laboratory, *T, 1:15-4:10.* Laboratory fee, \$5.00 each.
- B2a, B2b. General Physics. HITCHCOCK  
Meeting the Physics requirements of courses in medicine, chemistry and civil engineering. Prerequisites: Algebra through Quadratics, Plane Geometry and Plane Trigonometry. Class, 4 hours a week; laboratory, one period a week. Both semesters. 5 hours. Class, *III and Th, X*; laboratory, *Th, 2:15-4:10.* Laboratory fee, \$5.00 each.

**B3a, B3b. Mechanics of Solids and Fluids, Heat and Sound. HITCHCOCK**

Designed for those preparing for mechanical or electrical engineering. Prerequisites: The equivalent of High School Physics, Mathematics through differential and integral calculus. Both semesters. (*Omitted in 1923-1924.*)

**C105a, C105b. Magnetism, Electricity and Light. HITCHCOCK**  
Both semesters. (*Omitted in 1923-1924.*)

**C111a, C111b. Advanced Magnetism and Electricity. HITCHCOCK**

Prerequisite: Physics B2 and Differential and Integral Calculus. Both semesters. *IV.*

**D109a, D109b. Physical Measurements. HITCHCOCK**  
Both semesters. 2 hours each. A. Laboratory fee, \$8.00 each.

**PHYSIOLOGY**

**A1a, A1b. Informational Hygiene. SCHOTT and EVANS**  
Freshman year, both semesters. 1 hour each. Women, *T or Th, VIII*; men, *T or Th, VIII.*

**B3a, B3b. Anatomy and Physiology. SCHOTT**  
Class, two hours a week; laboratory, one exercise a week. Both semesters. *WF, IX*; laboratory, *Th, 1:15-4:10*. Laboratory fee, \$3.00 each.

**B11. Public Hygiene. STOUGHTON**  
Required of all Juniors, second semester. A. Six lectures.

**C113. Problems of Heredity and Eugenics, and Related Questions of Personal and Public Hygiene. STOUGHTON and EVANS**

Advanced course. Six lectures. Required of all Seniors, first semester. A.

**D105-D106. Histology.**  
*See Zoology D105-D106.*

**D107-D108. Embryology.**  
*See Zoology D107-D108.*

**POLITICAL SCIENCE AND LAW**

**B1a, B1b. Elementary Law. BURGESS**  
First semester, Blackstone; second semester, Contracts. Both semesters. *I.*



|                                                      |       |
|------------------------------------------------------|-------|
| B2. American Government.                             | COOKE |
| Second semester. VI.                                 |       |
| B4. Introduction to Political Science.               | COOKE |
| First semester. VI.                                  |       |
| C103. Pleading.                                      | NEELY |
| First semester, II.                                  |       |
| C117. American Diplomacy.                            | NEELY |
| First semester. VIII.                                |       |
| D104. Evidence.                                      | NEELY |
| Second semester. I.                                  |       |
| D109a, D109b. Comparative Constitutional History.    | NEELY |
| Both semesters. IV. ( <i>Omitted in 1923-1924.</i> ) |       |
| D111a, D111b. American Constitutional History.       | NEELY |
| Both semesters. IV.                                  |       |
| D118. International Law.                             | NEELY |
| Second semester. II.                                 |       |

### PSYCHOLOGY

The requirements for a Major in Psychology consist of 24 semester hours of Psychology and Philosophy and a thesis. The courses taken should include Experimental Psychology and History of Philosophy.

|                                                                             |                   |
|-----------------------------------------------------------------------------|-------------------|
| B1. Elements of Psychology.                                                 | WILLIAMS and EWER |
| Either semester. First semester, III; second semester, V.                   |                   |
| B3a, B3b. Elements of Psychology.                                           | WILLIAMS          |
| A more comprehensive course than B1. Both semesters. IV.                    |                   |
| C106. The Psychology of Suggestion.                                         | EWER              |
| Prerequisite: Psychology B1 or B3. Second semester. VI.                     |                   |
| C107. Educational Psychology.                                               | EWER              |
| Prerequisite: Psychology B1. First semester. VII.                           |                   |
| C108. Applications of Psychology.                                           | EWER and WILLIAMS |
| Prerequisite: Psychology B1 or B3. First semester, VI; second semester, IV. |                   |
| C116. Comparative and Genetic Psychology.                                   | WILLIAMS          |
| Prerequisite: Psychology B1 or B3. First semester. VII.                     |                   |
| C118. Experimental Psychology.                                              | WILLIAMS          |
| A laboratory course. First semester. V. Laboratory fee, \$2.00.             |                   |

D112. Social Psychology. EWER  
First semester, *IV*; second semester, *VII*.

D117. Mental Measurements. WILLIAMS  
Second semester. *V*.

D230. Seminar. EWER  
Second semester. 2 hours. *A*.

### PUBLIC ADDRESS

A36a, A36b. Fundamentals of Speech. SCOTT  
Both semesters. 2 hours each. *MF, III*.

B31. Argumentation. SCOTT  
First semester. *VIII*.

B32. Public Address. SCOTT  
Prerequisite: Course A36a, A36b, or equivalent. Second semester. *VIII*.

B33. Debate. SCOTT  
First semester. 2 hours. *TTh, IV*.

B34. Parliamentary Usage. SCOTT  
Second semester. 2 hours. *TTh, IV*. (*Omitted in 1923-1924.*)

C131a, C131b. Advanced Public Address. SCOTT  
Prerequisite: Course B32 or equivalent. Both semesters. 2 hours each. *MF, VII*.

C134a, C134b. Interpretative Reading of Dramatic Literature. RICKABY  
Prerequisite: Course A36a, A36b, or equivalent. Both semesters. *XIII*.

### RELIGION

B3. Old Testament History and Religion. BROOKS  
First semester. 1 hour. *F, XI*.

B5. The Prophets. BROOKS  
Second semester. 1 hour. *F, XI*.

B7. Introduction to New Testament. HAND  
First semester. 2 hours. *TTh, XII*.

C104a-C104b. Christian Origins and the Teachings of Jesus. BROOKS  
Both semesters. *V*.

- C107. The Teachings of Jesus. HAND  
Second semester. 2 hours. *TTh, XII.*
- C109a, C109b. The Religious World. BROOKS  
Both semesters. *III.*
- C125. History of Religions. TAYLOR  
First semester. *IV.*
- C126. History of Christianity. TAYLOR  
Second semester. *IV.*
- C131. Principles and Methods of Religious Education. MARRIOTT  
Second semester. 2 hours. *A.*

## ROMANIC LANGUAGES

(See French, Italian, Spanish.)

## SECRETARIAL

- A1a, A1b. Stenography. THOMSON  
Must be accompanied by Secretarial A2a, A2b, save for those who can use the typewriter. Both semesters. 2 hours each. *III.*
- A2a, A2b. Typewriting. THOMSON  
No credit except as it accompanies Secretarial A1a, A1b, or A24a, A24b. Both semesters. 1 hour each. *A. Fee, \$7.50 each.*
- A24a, A24b. Commercial Correspondence. THOMSON  
Both semesters. *VI.*
- B3a, B3b. Filing and Reference. EWING  
Both semesters. 1 hour each. Fee, \$7.50 each. (*Omitted in 1923-1924.*)
- B4a, B4b. Advanced Stenography. THOMSON  
Prerequisite: Secretarial A1a, A1b. Both semesters. 2 hours each. *A.*

## SPANISH

- A21a, A21b. Elementary. ANDERSON and WRIGHT  
Both semesters. Four sections. *II, II, III, VII.*
- B23a, B23b. Contemporary Spanish. A. T. BISSIRI and ANDERSON  
Prerequisite: Spanish A21 or equivalent. Both semesters. Three sections. *I, VI, VI.*

**B24a, B24b. Composition and Commercial****Correspondence.****ANDERSON**

Prerequisite: Spanish A21 or equivalent. Both semesters.  
2 hours each. *TTh, XII.*

**C125. Drama of the Nineteenth Century.****A. T. BISSIRI**

Prerequisite: Spanish B23 or equivalent. First semester.  
*VIII.*

**C126. Drama of the Golden Age.****JONES**

Required of those majoring in Romanic Languages and  
specializing in Spanish. Prerequisite: Spanish B23 or  
equivalent. Second semester. *VIII.*

**C126 (bis). Contemporary Spanish Drama.****A. T. BISSIRI**

Prerequisite: Spanish B23 or equivalent. Second semester.  
*VIII.*

**C127a, C127b. Spanish Conversation.****WRIGHT**

Prerequisite: Spanish B23 or equivalent. Both semesters.  
1 hour each. *A.*

**D128a, D128b. America del Sur.****JONES**

Prerequisite: Spanish C125 and C126 (or C126 (bis).  
Both semesters. *VII.*

**D129. Seventeenth Century Prose.****A. T. BISSIRI**

Prerequisite: Spanish C126. First semester. *II.*

**D130. El Romancero.****A. T. BISSIRI**

Prerequisite: Spanish C126. Second semester. *II.*

**D219. The Teaching of Spanish.****ANDERSON**

Second semester. 2 hours. *A.*

**ZOOLOGY****B11. General Zoology.****HILTON**

Prerequisite: Biology A1 and A2 or equivalents. Class, 2  
hours a week; laboratory, 1 exercise a week. First semes-  
ter. 3 hours. Class, *TTh, II*; laboratory, *W, 1:15-4:10*.  
Laboratory fee, \$6.00.

**B12. General Zoology.****HILTON**

A continuation of Zoology B11. Vertebrates. Prerequisite:  
Physiology B3 or Zoology B11. Class, 2 hours a week;  
laboratory, 1 period. Second semester. Class, *TTh, II*;  
laboratory, *W, 1:15-4:10*. Laboratory fee, \$6.00.

**B18. Entomology.****HILTON**

Prerequisite: Biology A1 or Zoology B11. Class, 2 hours a week; laboratory, 1 exercise a week. Second semester. Class, *MW, VII*; laboratory, *Th, 1:15-4:10*. Laboratory fee, \$5.00.

**C131. Systematic Invertebrate Zoology.****HILTON**

Prerequisite: Zoology B11 or B18. Lecture, 1 hour a week; laboratory and field work, 2 periods a week, first semester. Laboratory fee, \$5.00.

**C132. Systematic Vertebrate Zoology.****HILTON**

Prerequisite: Zoology B11. Lecture, 1 hour a week; field and laboratory work, 2 periods a week, second semester. A. Laboratory fee, \$3.00.

**D105. Histology.****HILTON**

Vertebrate. Prerequisite: Physiology B3 and B4, or Zoology B11 and B12. First semester. Class, *T, IV*; laboratory, *TTh, 1:15-4:10*. Laboratory fee, \$8.00.

**D106. Histology.****HILTON**

A continuation of D105. Prerequisite: Zoology D105. Second semester. Class, *T, IV*; laboratory, *TTh, 1:15-4:10*. Laboratory fee, \$7.00.

**D107. Embryology.****HILTON**

Prerequisite: Physiology B3 or Zoology B11. Second semester. A. Laboratory fee, \$8.00.

**D108. Embryology.****HILTON**

A continuation of D107. Prerequisite: Zoology D107. Second semester. A. Laboratory fee, \$7.00.

**D133. Comparative Neurology.****HILTON**

Invertebrate. Prerequisite: Zoology B11 and B12, or Physiology B3 and B4. Lecture, 1 hour a week; laboratory, 2 periods a week, first semester. A. Laboratory fee, \$6.00.

**D134. Neurology.****HILTON**

Vertebrate. Prerequisite: Zoology D133. Either semester. A. Laboratory fee, \$6.00.

**D215. Zoological Research.****HILTON**

Either semester. 2 to 5 hours. A. May be repeated for credit. Laboratory fee, \$2.00 per hour.



# ADMINISTRATION

## REGISTRATION

All students are required to register on one of the regularly announced days of registration preceding the opening of the class work of each semester. A fee of two dollars is charged for later registration and a payment of one dollar for any change in the list of subjects chosen. This latter payment is remitted in the case of new students registering for the first time, provided the changes are made within a week of the opening day of the registration period.

Students are admitted to those courses only for which they are formally registered.

## MATRICULATION

Matriculation implies the meeting of all entrance requirements and the proven ability to carry college work. To this end the standing of all new students is provisional until after they have been in residence for one semester. At that time those are matriculated who have shown themselves in accord with the spirit of the College, who have done a satisfactory quality of work during their semester of residence and whose entrance units are acceptable.

## ELECTION OF COURSES

On or before the first Saturday in January after the Christmas recess, and the first Saturday in June, all resident students must fill out a schedule listing their choice of subjects for the following semester.

Changes from this schedule may be made upon the payment of a fee of one dollar. Failure to prepare such a schedule at the appointed time subjects the student to a fee of two dollars. Students may not select less than twelve hours of work without the special permission of the Classification Committee.

## PUBLIC ASSEMBLIES

Devotional exercises conducted ordinarily by the President or some member of the faculty, or by an invited guest, are held in the chapel Monday, Tuesday, Thursday and Friday mornings; all students are expected to be present.

The Christian Associations meet at the chapel hour on Wednesday.

The policy of the College is to urge the students to associate themselves for worship with the Claremont Church or those in neighboring communities. For this reason there is no regular appointment for College worship on Sunday, though many forms of religious activity are maintained in connection with the churches.

## REPORTS

A record of the scholarship and deportment of each student is kept, and deficient students are reported to the Registrar. Special reports are made at or near the Thanksgiving and Spring recesses; notification is sent to the parents of any students reported as deficient then, or at the end of the semester. Grades will be sent at any time upon request of parents.

The grade of scholarship is determined by the daily work of the class-room supplemented by frequent test reviews and by final examinations.

The aim is to encourage faithfulness and regularity in daily work rather than spasmodic effort to meet some single test.

## PHYSICAL ATTENTION

The physical care of students is a matter of special concern to the College and the advantages of unusual attention and opportunity are offered. The climate of Southern California offers an out-of-door life the year round. Oversight is given to open-air athletics in all seasons. A regular physician is on the faculty of the College, under whose direction every student

on entering has a physical examination. Regular work in physical education is prescribed throughout the four years, and courses in Physiology and Hygiene are given. A large swimming pool is provided, access to which is free to all students, subject only to a semi-annual physical examination. The medical advice of the College physician is ordinarily available free of charge to all students, subject to certain conditions of hours and location of residence, the College meeting these bills; providing that all nursing, surgical dressing, and medicines are at the expense of the ill or injured. *The College, however, reserves the right to discontinue this individual medical service at any time without previous notice.* As a natural result of all this attention the health of the College is such as to give special assurance to all considering attendance at Pomona.

#### GENERAL REQUIREMENTS

Students are expected to be loyal to the spirit and purpose of the institution and to maintain regular attendance on all College appointments. Any who fall below grade in scholarship, or who for any reason do not prove desirable members of the student body, may be dismissed without specific charges.

It is assumed that, as far as possible, students will room at the College residence halls and board at the College Commons. Any other arrangement for room or board must have the approval of the proper Dean. Lists of approved rooms are kept at the office of the Dean of the College. All rooms in the College residence halls are rented for the College year. Unless there is a written agreement to the contrary, it is assumed that rooms in private houses are rented for one semester. Change of rooms is made only by permission of the Deans.

To avoid misunderstanding between students and householders, it is advised that agreements regarding rooms be put in written form.

It is urgently pointed out to both students and parents that the value of a college education consists in no small degree in the

fullest participation in the college atmosphere and life. It is important, therefore, that all absence through the college year should be avoided. Some of the most important of the college values are lost by absences on Saturday and Sunday, on which days are centered particular and vital phases of the common life, and it is therefore urged that over-Sunday visits at home or elsewhere be avoided.

The use of tobacco is discouraged at all times.

Detailed information regarding college requirements is found in the *Manual of Procedure*, which should be secured by all students at the office of the Registrar.

### EXPENSES

ROOMS IN COLLEGE RESIDENCE HALLS. A deposit of \$10.00 is necessary to secure a room and should accompany the application for the room. This amount is retained as a breakage fee, from which deductions will be made for individual and communal damages to the building, the balance being returned at the end of the year. Rooms are assigned to new students in order of application.

The charge for rent does not include the use of the halls during the Christmas and Spring vacations when the halls are closed. The residence halls are opened the Saturday before the opening of the College year and closed the second day after commencement.

Each room is provided with the necessary furnishings, including rug for the floor; the only articles to be furnished by the student are towels, and linen and covers for a single bed.

The College reserves the right to dismiss from a dormitory without rebate any student who becomes a disturbing or undesirable occupant.

SMILEY HALL. This dormitory for men has both single rooms, and suites of three rooms accommodating two students.

As the rooms are equally desirable, each occupant pays \$100.00 for the College year.

**RESIDENCE HALLS FOR WOMEN.** Harwood Court, the beautiful residence hall for women, in which is included the dormitory known as Strong Hall, was completed in 1920. It has both single and double rooms, as well as suites for two or three students. For each individual the charge is ordinarily \$150.00 for the College year. In a few cases rooms are \$130.00 each, if occupied by two students; \$200.00 if occupied by one.

The cottages have double rooms, each student paying from \$120.00 to \$150.00 per year, according to the location of the room.

Women occupying College residence halls or cottages are expected to board in the College dining-room, and rooms are rented in these buildings only in conjunction with the advance payment for board. Freshman women not resident in their own homes are also expected to board in the College dining-room.

**BOARD.** In the College dining-room provision is made for the boarding of students under the direct management of the College. The rates are the lowest consistent with good quality of food and service, the approximate cost for 1923-1924 being \$250.00. Arrangements may be made to pay either by installments or by the semester. All board bills are payable in advance.

In addition to the College dining-room there is a cafeteria dining-room seating approximately one hundred students. The quality and cost of food in the two rooms are the same.

Men or women wishing to board at other approved places than the College dining-room or the cafeteria may do so by permission of the proper Dean, except as specified above.

**SUMMARY OF EXPENSE.** The necessary expense for the College year, exclusive of fees for special courses and expenses which are purely personal, is about \$650.00. Bills are due each semester in advance, and must be paid upon registration. If



parents desire bills to be sent home, written request should be made before the beginning of a semester.

No student will be retained in the institution or given honorable dismissal whose bills are not paid or arranged for.

### TUITION

All tuition bills must be paid at the beginning of each semester. Until this has been done cards entitling the student to admission to classes will not be issued.

### GENERAL CHARGES

|                                                                                                                                            |          |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Regular tuition, including all general privileges, music and Drama Course Ticket, Library privileges, etc.<br>per semester .....           | \$125.00 |
| Tuition for students carrying less than twelve hours of work, for each such hour, per semester, exclusive of above general privileges..... | 10.50    |
| Tuition for graduate students, per semester.....                                                                                           | 75.00    |

### CHARGES IN MUSIC AND ART<sup>1</sup>

*For those paying regular tuition:*

|                                                                            |       |
|----------------------------------------------------------------------------|-------|
| For each half-hour private lesson in music per week,<br>per semester ..... | 35.00 |
| For each two-hour class lesson per week in art, per semester .....         | 18.00 |

*For those carrying less than twelve hours of college work, exclusive of work in music or art:*

|                                                                        |       |
|------------------------------------------------------------------------|-------|
| For one half-hour private lesson in music per week, per semester ..... | 50.00 |
| For each half-hour private lesson in excess of one, per semester ..... | 35.00 |

<sup>1</sup>Students may register for Applied Music at any time, equitable charges being arranged upon application.

|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| For each two-hour class lesson in art per week, per semester, for the first lesson..... | 25.00 |
| For each additional lesson.....                                                         | 18.00 |
| <i>For juveniles under high school age, and not given college privileges:</i>           |       |
| For one half-hour private lesson in piano, per week, per semester.....                  | 25.00 |
| For two half-hour private lessons in piano per week, per semester .....                 | 47.50 |
| Sketch class, per semester.....                                                         | 1.00  |

## FEES

Graduation fee, \$10.00.

Laboratory fees range from \$4.00 to \$15.00. The exact fee for a given course is stated in connection with the description of that course under Departments of Instruction; in advanced courses only does it exceed \$10.00.

A visitor's fee of \$5.00 is required from those visiting a course of study and \$3.00 for each additional course.

## BREAKAGE DEPOSITS

Bacteriology, \$5.00.

Chemistry, \$10.00 for each course taken.

*Practice fees for the use of College pianos and organs:*

## PIANO

|                                                         |         |
|---------------------------------------------------------|---------|
| One-half hour daily, per semester (voice students)..... | \$ 3.50 |
| One hour daily, per semester.....                       | 6.00    |
| Two hours daily, per semester.....                      | 12.00   |
| Three hours daily, per semester.....                    | 18.00   |

## GRAND PIANO

|                                   |         |
|-----------------------------------|---------|
| One hour daily, per semester..... | \$ 9.00 |
| Additional hours at same rate.    |         |

## GREAT ORGAN IN BRIDGES HALL

|                                    |         |
|------------------------------------|---------|
| One hour weekly, per semester..... | \$ 7.50 |
| More or less time at same rate.    |         |

## PRACTICE ORGAN

|                                       |         |
|---------------------------------------|---------|
| Two hours weekly, per semester.....   | \$ 6.00 |
| Three hours weekly, per semester..... | 8.25    |
| Four hours weekly, per semester.....  | 10.00   |
| Five hours weekly, per semester.....  | 12.75   |
| Six hours weekly, per semester.....   | 15.00   |

## VIOLIN

|                                                       |         |
|-------------------------------------------------------|---------|
| Room without piano, one hour daily, per semester..... | \$ 1.50 |
| Additional hours at same rate.                        |         |

## PEDAL ORGAN

|                                   |      |
|-----------------------------------|------|
| One hour daily, per semester..... | 9.00 |
|-----------------------------------|------|

## PEDAL PIANO

One-half the rate for other pianos.

## REFUNDS

**TUITION.** A refund amounting to one half of the tuition paid is granted to those leaving before the middle of the semester because of illness.

**FEES.** A refund amounting to one half the fee paid, is made in case of withdrawal from laboratory courses before the middle of the semester.

**ROOM.** Students withdrawing from College during a semester, receive a refund in case the room is re-rented.

# HONOR AND PRIZES

## COMMENCEMENT EXERCISES

The honor of speaking on Commencement Day is awarded three members of the graduating class who have distinguished themselves in scholarship and who possess literary and oratorical ability.

## THE PHI BETA KAPPA SOCIETY

The Pomona Chapter of Phi Beta Kappa is the Gamma of California.

Upperclassmen "who are of good moral character, who are candidates for the degree of Bachelor of Arts, and who are distinguished for breadth of culture and excellence of scholarship" are eligible to membership in the Phi Beta Kappa Society.

## FINAL HONORS AT GRADUATION

Students who average 50 per cent more credits than hours are graduated "cum laude." Those averaging 75 per cent more credits than hours are graduated "magna cum laude." Should any of the latter group, in the judgment of a representative faculty committee, stand out for their significant scholarship, they are graduated "summa cum laude."

## SCHOLARSHIP HONORS

Honors for scholarly attainment are awarded at the end of each semester to matriculated students, candidates for the Bachelor of Arts degree.

These honors are of three classes, High Honors, General Honors and Departmental Honors. The grades in Physical Education and Applied Military Science are not considered in the award of these honors, save that they must be at least passing.

High honors are given at the end of each semester to students who average 85 per cent more credits than the hours for which they were registered.

General Honors are given at the end of each semester to students who average 70 per cent more credits than the hours for which they were registered.

Departmental Honors are awarded by heads of departments in consideration of the quality of work done by students in the department during the semester concerned. In the interest of maintaining the full value of these honors, the departments shall not be expected to award them in any considerable numbers, the normal limit of five per cent of the enrollment being regarded as the one to be followed, save as the small enrollment in the department, or an exceptional quality of work, warrants deviation.

Honors are granted in no case where a student has failed in any subject.

## PRIZES

The following prizes are offered for proficiency in the work of the several departments:

**THE LLEWELLYN BIXBY MATHEMATICS PRIZE:** A prize for excellence in Analytic Geometry and Calculus; open to all students completing both Mathematics B13 and C115. A prize of ten dollars is given by Mr. Llewellyn Bixby.

**THE DOLE PRIZES:** A prize debate, open to the Sophomore class, upon some subject selected by the faculty, is arranged for the close of the second semester. First and second prizes of ten and five dollars, respectively, established by the late Mr. J. H. Dole, in memory of his brother, Mr. W. B. Dole, are endowed by Mr. J. Albert Dole and Mrs. A. M. Dole.

**THE HAGER PRIZES:** Prizes for the best three essays on a foreign missionary subject, open to all students. Prizes of ten dollars each were endowed by the late Mr. and Mrs. C. R. Hager.

**THE KINNEY PRIZES:** A prize declamation contest, open to the members of the Freshman class, occurs toward the end of the first semester. First and second prizes of ten and five dollars, respectively, are given by Mrs. H. N. Kinney.

**THE LORBEER PRIZES:** Prizes for the best essay on the subject, "How to Keep Well;" open to all who take the course in Anatomy and Physiology. First and second prizes of fifteen and ten dollars, respectively, are given by Dr. Thomas L. Lorbeer, '03.



**THE MONCRIEFF ASTRONOMY PRIZE:** A prize given to the student in the first year course in Astronomy, taken regularly in class, whose interest in the study and proficiency in the observatory work are indicated by the best notebook kept in accordance with the teacher's suggestion. A prize of ten dollars is given by Miss Flossie C. Moncrieff, '11.

**THE MUDGE LATIN PRIZES:** Prizes for excellence in Latin offered to those completing Latin D114. First and second prizes of ten and five dollars, respectively, are endowed by friends of the College.

**THE VAILE PRIZES:** Prizes for the best essay or oration on the general subject of Agriculture in Southern California; open to the Junior and Senior Classes. First and second prizes of fifteen and ten dollars, respectively, were endowed by the late Mr. Charles S. Vaile.

## SCHOLARSHIPS AND BENEFICIARY AID

The income of certain funds is used towards paying the tuition fees of students who are in pecuniary need, and, by authorization of the trustees, is distributed annually through a committee of the faculty. Scholarship aid is given only to students who are or intend to become candidates for a degree from Pomona College, who maintain a high standard of honor, who are economical in their habits, who do not use tobacco, who are regular in their attendance upon college exercises, and whose scholarship meets the following condition: The maintaining, after the first semester of the Freshman year, of at least "C" grade.

Applicants for aid who have not yet entered College should forward to the Chairman of the Committee on Student Aid and Labor, a formal application accompanied by two letters, one from parent or guardian and the other from principal or teacher, giving information concerning need, character and attainments. They should also send a certified statement of their scholastic record. All applications for aid must be renewed annually on or before May first.

Aid may be withdrawn at any time from students who prove not to have conformed to the conditions, and is permanently withdrawn after the second forfeiture due to low standing or unsatisfactory deportment.

Recipients of scholarship aid may be called upon to assist the College in ways that do not interfere with their studies.

Awards are made from the income of the following funds:

THE FRANCIS BANCROFT MEMORIAL FUND, \$1,500. Given by Mrs. James T. Ford of Los Angeles, California, in memory of her father.

A FUND OF \$2,500. Given by L. H. BARROWS.

THE H. G. BILLINGS MEMORIAL SCHOLARSHIP, \$1,000. Given by Mrs. E. A. Billings of Los Angeles, California, in memory of her husband.

THE MABEL S. BRIDGES MEMORIAL SCHOLARSHIP, \$3,500. Given by Mr. and Mrs. A. S. Bridges of San Diego, California, in memory of their daughter. Available for women.

THE BRISTOL MEMORIAL FUND, \$400. A fund raised as a memorial to the Reverend Sherlock Bristol.

THE HENRY HERBERT BROWN SCHOLARSHIP FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of her son.

THE BESSIE A. BROWN SCHOLARSHIP FUND, \$1,000. Given by Mrs. Fannie E. Brown of Los Angeles, California, in memory of Bessie A. Brown.

A FUND OF \$856.78 Given by the Class of 1918 towards the founding of a scholarship.

THE AGNES K. CRAWFORD MEMORIAL FUND, \$1,000. Given by David R. Crawford and William Crawford of Pomona, California, in memory of their mother.

A FUND OF \$2,600. Given by Mary E. Elwood of Redlands, California.

A FUND OF \$2,500. Given by Rev. James T. Ford of Los Angeles, California.

A FUND OF \$1,000. Given by Mrs. Margaret Fowler of Pasadena, California.

A GENERAL FUND OF \$475.

A FUND OF \$5,000. Given by Charles E. Harwood, LL.D., of Upland.

THE THOMAS F. HOWARD MEMORIAL SCHOLARSHIP, \$2,000. Given by Dr. and Mrs. H. G. Brainerd of Los Angeles, California, in memory of Mrs. Brainerd's father.

A FUND OF \$2,000. Given by Henry L. Kuns of La Verne.

A FUND OF \$1,800. Given by Miss Jean Loomis, '97, of Nanking, China.

THE HOWARD J. MILLS FUND OF \$3,000. Given by Mrs. Howard J. Mills of Los Angeles, California, in memory of her husband.

THE ONTARIO CONGREGATIONAL CHURCH FUND, \$186.50. Given by the Ontario Congregational Church towards the founding of a scholarship.

A FUND OF \$5,000. Given by Mrs. Loraine H. Page of Pomona, California. (Three thousand dollars of this may at some time be used for other purposes.)

THE ARTHUR WARREN PHELPS MEMORIAL SCHOLARSHIP, \$2,000. Given by Mrs. C. S. and Mr. C. A. Phelps of Claremont, in memory of their son and brother.

THE LYDIA PHELPS MEMORIAL FUND, \$4,000. Given by Hiram E. Phelps of Ontario, California, in memory of his wife.

THE PILGRIM CHURCH OF POMONA FUND, \$1,245.44. Given by the Pilgrim Congregational Church of Pomona towards the founding of a scholarship.

THE JOHN D. POTTER MEMORIAL FUND, \$2,000. Given by Mrs. S. T. Potter of Westboro, Massachusetts, in memory of her husband.

A FUND OF \$1,800. Given by Dr. Anna H. Searing of Escondido, California.

THE WALTER O. SHATTO MEMORIAL FUND, \$4,000. Given by Mrs. Clara R. Shatto in memory of her husband.

THE CLYDE H. SHIELDS SCHOLARSHIP, \$200 (to be increased). Given by R. P. Shields of San Diego, in memory of his oldest son, who was drowned in 1894, when about twenty-one years of age.

A FUND OF \$2,000. Given by Miss Susan E. Thatcher of San Diego.

A FUND OF \$1,000. Given by Mrs. Maria T. Wardwell of Plymouth, Connecticut.

A FUND OF \$2,000. Given by Henry S. West of Los Angeles.

The College also administers a loan fund, established by George H. DeKay, Jr., in memory of his brother Frelin Campbell DeKay. By means of this fund, it is possible to co-operate in a moderate way, and temporarily, with the pressing need of students. This fund has been of such important service as to indicate the great need for the increase of such resources, which in the hour of special emergency may often save a student to a college career.

## SELF-SUPPORT

A committee of the faculty endeavors to find employment for students needing to earn a part of their expenses. Many are thus helping themselves by various forms of labor such as janitor work, waiting on tables at the Commons, general house work, gardening and the like. The most desirable positions are in general secured by upperclassmen who have proven themselves good workers and good students, and those coming to the College for the first time should be content if any work which they can satisfactorily do is secured for them. Students in any case should come prepared to pay all bills for at least one semester. Their record during this semester will be a large factor in deciding what opportunities for self-help will be open to them. Applications for aid in securing employment should be addressed to the Chairman of the Committee on Student Aid and Labor.

## BUILDINGS AND EQUIPMENT

The College grounds consist of about one hundred and fifty acres, of which sixty are included in Blanchard Park, about ten in Alumni Field, thirty in a prospective Athletic Field, and the remainder in the campus proper, centering in Marston Quadrangle.

There are nineteen buildings on the campus, heated from a central heating plant.

The Mary L. Sumner Hall, named in memory of the wife of Professor Charles B. Sumner, has been removed from its original site and remodeled for administrative and faculty uses.

Holmes Hall, a memorial of Cyrus W. Holmes, Jr., of Monson, Massachusetts, reconstructed in 1916 in conformity with more modern plans for buildings and campus, is devoted mainly to chapel, recitation rooms, the Business office, and various offices of administration.

Pearsons Hall of Science, the gift of Dr. D. K. Pearsons, contains the laboratories and lecture rooms of the departments of physics, psychology, mathematics and engineering.

The Library, the gift of Mr. Andrew Carnegie, is an imposing structure, exceptionally well adapted to the purposes for which it was built.

The Frank P. Brackett Observatory, the gift of Mr. Llewellyn Bixby, '01, is designed throughout to be of service to the student in the direct study of the stars.

The Albert K. Smiley Hall is the dormitory for men. It has both single rooms and suites of three rooms, affording accommodations for eighty students. The dormitory has all modern conveniences and is completely furnished.

Harwood Court is a large and adequate dormitory for women, which has recently been completed. It affords accommodations for about two hundred women.

The College also owns several cottages, in which similar accommodations can be secured. These facilities have been made pos-



sible by large and generous gifts from friends of the College, whose names they bear.

Rembrandt Hall, the first section of the Art Building, is devoted chiefly to the work of the Department of Art. The upper floor contains studio and work rooms; the lower floor a convenient auditorium of moderate size for exhibits and assemblies.

The Mabel S. Bridges Hall of Music, the gift of Mr. and Mrs. Appleton S. Bridges, of San Diego, offers opportunities for the study of music unexcelled in Southern California.

The Gymnasium, comprising three commodious structures, affords ample equipment for physical training and includes a large swimming pool.

The Claremont Inn has, besides two large student dining-rooms, accommodations for eighty guests.

The Open-Air Theater, built to take advantage of the natural setting of Blanchard Park, though uncompleted, has at present a seating capacity of over 4000.

The Harwood Hall of Botany, the gift of Mr. A. P. Harwood, of Upland, contains lecture rooms and laboratories for the use of the Department of Botany.

The Memorial Training Quarters stands as a remembrance of the Pomona College men who lost their lives in the Great War. It represents the gift of the parents of one of those men, Sheldon Gerry, '17, supplemented by those of alumni, students and friends.

The Mason Hall of Chemistry, completed in 1922, the gift of Mr. W. S. Mason, is unsurpassed in structure and equipment for the study of Chemistry.

The Crookshank Hall of Zoology, completed this year, is the gift of Mr. D. C. Crookshank. It provides amply for the needs of the Department of Zoology.

The Marine Laboratory, located at Laguna Beach, has nine private rooms for special workers and two general laboratories, as well as storerooms, work rooms and aquarium room.

Various smaller buildings add to the completeness of the College plant.

## THE LIBRARY

The College possesses the following library collections in addition to the main library: The Cook-Baker Biological Library, the Astronomical Library, the New England Collection, the Mason California Collection, and the Viola Minor Westergaard Art Collection.

The main library and the New England and Mason California Collections are housed in the Carnegie Library Building, the Cook-Baker Library in Crookshank Hall, the Astronomical Library in the F. P. Brackett Observatory, and the Westergaard Art Collection in Rembrandt Hall.

The main library, of 41,739 books and 32,613 pamphlets, has been carefully selected, and represents a working library of exceptional value.

The library is a depository for the publications of the Carnegie Institution of Washington, and for the United States Government documents. The library has a well selected list of the most valuable scholastic and general periodicals.

## DEPARTMENTAL ORGANIZATIONS AND CLUBS

The Pomona College GLEE CLUB, the Pomona College WOMEN'S GLEE CLUB, the Pomona College ORCHESTRA, and the Pomona College BAND are organizations under the general direction of the Department of Music.

THE ASTRONOMICAL SOCIETY aims to help the observatory in its work, in building up its library and in the issuing of its publications. The associate membership is drawn from the alumni and friends of the College, while the active membership includes the students of astronomy together with members of the faculty and resident graduates.

THE MATHEMATICAL SOCIETY. The Society of Pure and Applied Mathematics meets every month for presentation and discussion of results of study and investigation in the physical sciences and mathematics. It is open to advanced students who are interested in these subjects and who agree to take an active part in its work.

THE LITERATURE SEMINAR. The purpose of the Literature Seminar is the presentation from a graduate or professional point of view of those masterpieces of literature which have dominated the content and form of other literatures.

THE HISTORY CLUB consists of a student group which meets fortnightly and is organized to study special phases of recent and contemporary history, particularly in the field of international relations.

LE CERCLE FRANCAIS, composed of students making a specialty of the French language, meets fortnightly for practice in French conversation, presentation of papers and discussion of topics relating to the various aspects of French life and literature.

EL CIRCULO ESPANOL, composed of students making a specialty of Spanish, meets fortnightly for practice in Spanish conversation and the presentation of appropriate papers in the language, bearing upon the literature and life of the Spanish world.

IL CIRCOLO ITALIANO is open to students of Italian, for practice in conversation and the study of the life, literature and arts of Italy.

DER DEUTSCHE VEREIN is open to students of German for practice in conversation.

## STUDENT ACTIVITIES

**THE ASSOCIATED STUDENTS.** This association harmonizes all student activities. Its officers are chosen by the student body from their own number. All important questions are considered by its executive committee, which is composed of those prominent in such varied lines as athletics, oratory, and the editorship of the Student Life. This body has charge of inter-collegiate as well as inter-class relations.

**WOMEN'S ORGANIZATION.** The women of the student body form a voluntary organization, electing their own officers and committees and holding regular meetings. This organization considers and promotes the social relations of the women.

**CHRISTIAN ASSOCIATIONS.** Branches of the Young Men's Christian Association and the Young Women's Christian Association are well organized and doing effective work. Representation in the inter-collegiate and state conventions and the visits of active workers from outside serve to maintain interest in the work both at home and abroad.

**THE POMONA COLLEGE LITERARY SOCIETY,** composed of both men and women, meets every two weeks. The work is varied in character, covering all literary lines.

**THE POMONA COLLEGE DEBATING CLUB** is composed of men. It meets every two weeks for prepared and impromptu debates on the live issues of the day.

**THE ALPHA KAPPA** is a society for women, giving drill in debates and familiarity with important current topics.

**THE POMONA COLLEGE LYCEUM,** composed of men, is also a debating club, and meets bi-weekly.

**THE AREOPAGUS** is composed of men. The object of the society is to promote efficiency in public speaking, debate, and parliamentary drill. Meetings are held every two weeks.



THE DELTA LAMBDA is a debating society for women, meeting bi-weekly.

THE MASQUERS is an organization of students, whose purpose is the study and presentation of plays and the general promotion of the dramatic enterprises of the undergraduate body.

THE COSMOPOLITAN CLUB has for its object the promotion of friendly relations among the various nationalities represented in Pomona College. Membership is open to any student or member of the Faculty whose home is outside of the United States or who has at some former time resided in a foreign country.

ATHLETICS. The direction and financial management of athletics rest with the Director of Athletics, who has associated with him as an advisory body the Athletics Council, composed of three members of the faculty and three students. Under the general manager there is a student manager for each sport.

Alumni Field, consisting of about ten acres, has been developed by the alumni into athletic grounds unsurpassed in the Southwest in equipment and beauty of setting. First-class tennis courts, an excellent track, baseball and football fields, also hockey and basketball courts are within the limits of the campus, and athletic exercises and field sports are encouraged by the officers of the institution.

A swimming pool, of the standard size for water polo, and fully equipped with modern appliances, is open to all students. An invariable condition to the use of the pool is a semi-annual medical examination.

Students are required to maintain a certain standard of excellence in all their studies in order to represent the College on any of its athletic teams or other organizations coming before the public.

## PUBLICATIONS

The stated publications of the College are issued as numbers of the *Pomona College Bulletin*, which is published bi-monthly. These include:

The *Annual Catalog*.

The *Annual Register of Alumni*.

The *Annual Register of Faculty and Students*.

The *Annual Announcement of Courses*.

Alumni and departmental publications are:

*The Pomona College Quarterly Magazine*, devoted to the interests of the College and Alumni.

*The Journal of Entomology and Zoology*, published under the auspices of the Department of Zoology.

*The Publication of the Astronomical Society of Pomona College*, published under the auspices of the Department of Astronomy.

*The College Letter*, issued by the College for the information of the alumni.

## STUDENT PUBLICATIONS

The *Student Life* is published tri-weekly by the student body and is devoted to current affairs.

*Manuscript* is a literary magazine issued four times a year.

The *Metate* is published each year by the Junior class, and contains material appropriate to a college annual.

The *Association Hand Book*, which contains material of value, especially to new students, is issued at the beginning of the year by the Christian Associations.

## BUREAU OF APPOINTMENTS

A Bureau of Appointments is conducted in connection with the office of the Secretary of the Faculty for the benefit of members of the College who desire to teach after graduation. The purpose of the Bureau is to maintain a list of available positions and to recommend from the applicants registered those who are qualified for specific positions.

An opportunity is also offered graduates of the College who are already engaged in teaching, to register their present positions and to indicate whether they desire a change, and if so, under what conditions. An effort is made to further the desires of graduates so far as made known. The services of the Bureau are entirely gratuitous. Communications should be addressed to the Bureau of Appointments.

## SUMMARY OF STUDENTS

NOVEMBER, 1923

|                        |     |
|------------------------|-----|
| Graduate students..... | 27  |
| Seniors .....          | 165 |
| Juniors .....          | 183 |
| Sophomores .....       | 190 |
| Freshmen .....         | 242 |
| Specials .....         | 30  |
| <hr/>                  |     |
| TOTAL ENROLLMENT.....  | 837 |

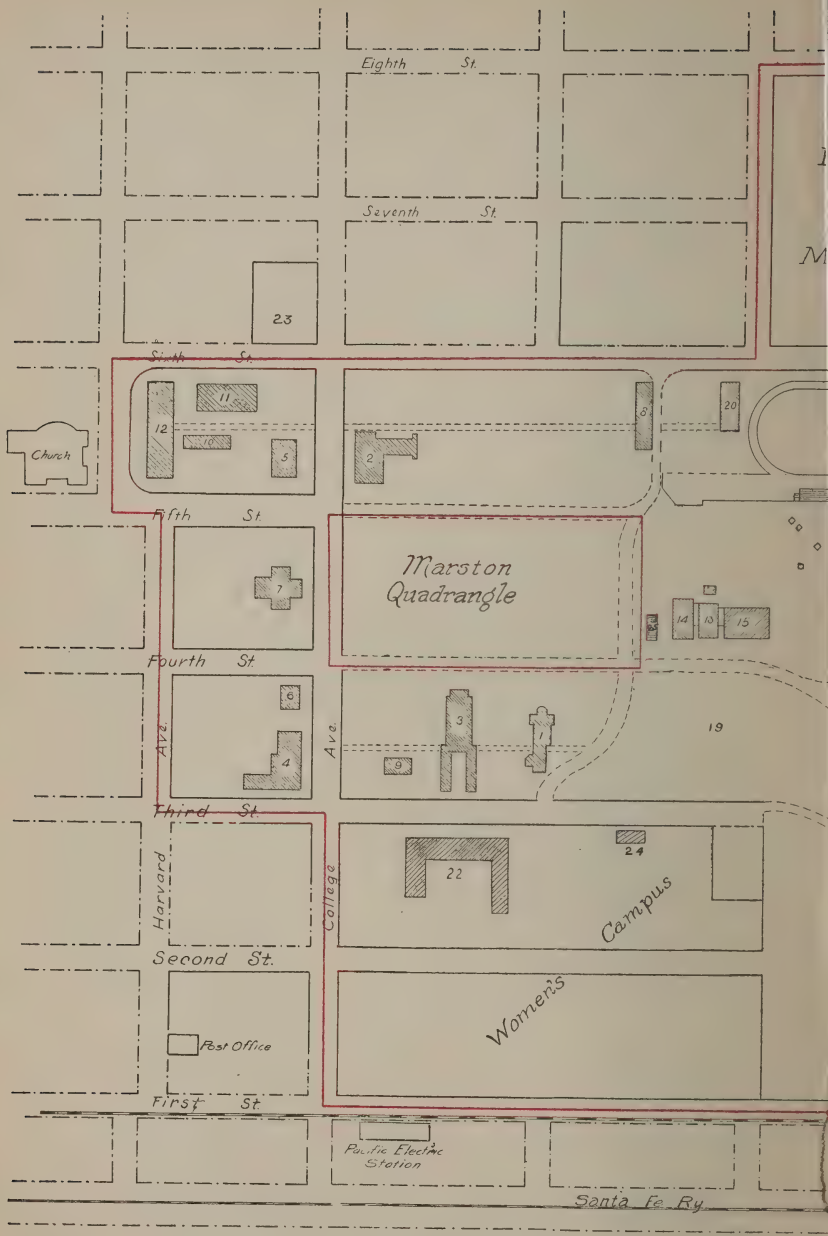
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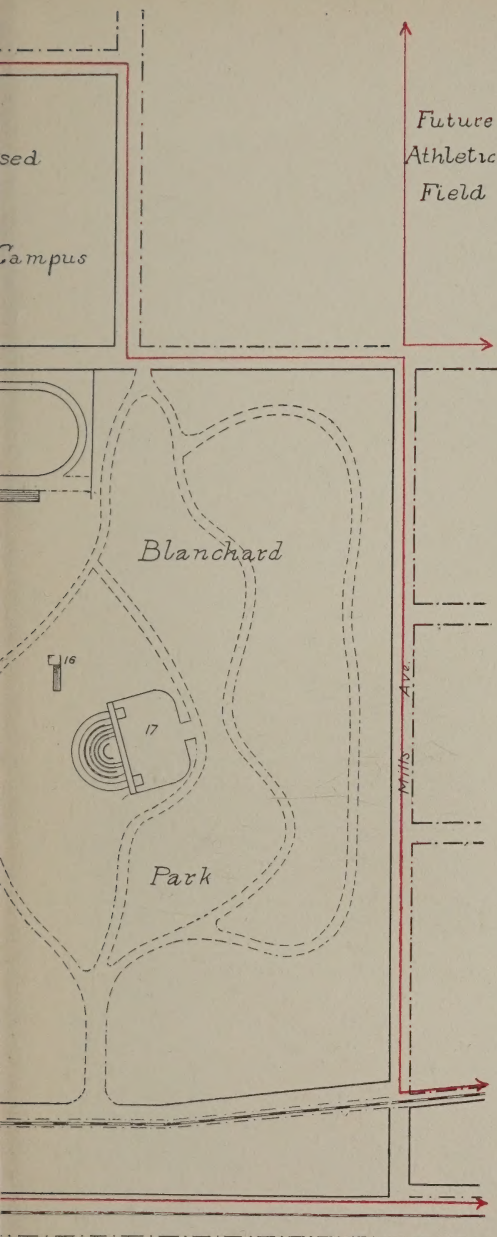
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2. Holmes Hall (Recitation)
3. Bridges Hall (Music)
4. The Inn and Commons
5. Pearsons Hall (Science)
6. The President's House
7. The Library
8. Smiley Hall (Men's Dormitory)
9. Rembrandt Hall (Art)
10. Harwood Hall (Botany)
11. Crookshank Hall (Zoology)
12. Mason Hall (Chemistry)
13. } Gymnasium Buildings
14. }
15. }
16. The Observatory
17. Open-air Theatre
18. Baseball Diamond
19. Tennis Courts
20. Memorial Training Quarters
21. Alumni Athletic Field
22. Harwood Court (Women's Dormitory)
23. Proposed Site of President's House
24. Art Studio
25. Heating Plant









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